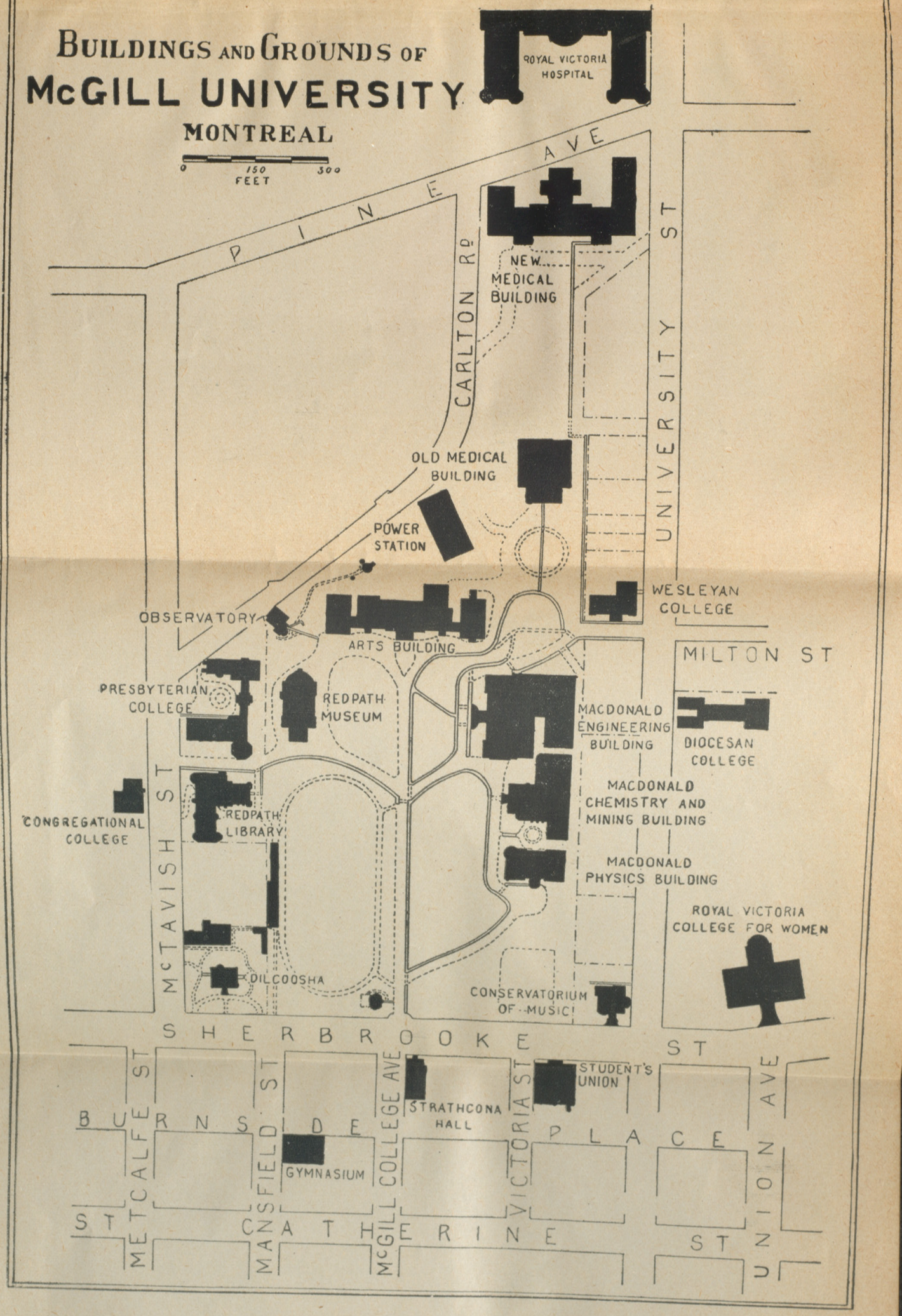
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BUILDINGS AND GROUNDS OF McGILL UNIVERSITY MONTREAL



McGILL UNIVERSITY

ANNUAL CALENDAR

FACULTY *of* MEDICINE



EIGHTY-NINTH SESSION

1920-1921

MONTREAL;
The Gazette Printing Company, Limited
1920

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7th Month JULY xxxi days. 1920.

1	Th.	Dominion Day.
2	F.	Prof. Exams. Prince Edward Island.
3	S.	
4	**S.**	
5	M.	
6	Tu.	
7	W.	
8	Th.	Meeting of Board of Province of Quebec (at Montreal).
9	F.	
10	S.	
11	**S.**	
12	M.	
13	Tu.	Prof. Exams. Saskatchewan.
14	W.	
15	Th.	Dr. W. Robertson died, 1844.
16	F.	
17	S.	
18	**S.**	
19	M.	
20	Tu.	
21	W.	
22	Th.	
23	F.	
24	**S.**	
25	**S.**	
26	M.	
27	Tu.	
28	W.	
29	Th.	
30	F.	
31	S.	Dr. R. L. MacDonnell died, 1891.

8th Month AUGUST xxxi days. 1920.

1	**S.**	
2	M.	
3	Tu.	
4	W.	
5	Th.	Duverney born, 1648.
6	F.	
7	S.	Prof. Geo. Wilkins died, 1916.
8	**S.**	
9	M.	
10	Tu.	
11	W.	
12	Th.	
13	F.	
14	S.	
15	**S.**	Lavoisier born, 1743.
16	M.	Prof. Exams. Alberta.
17	Tu.	
18	W.	
19	Th.	
20	F.	
21	S.	
22	**S.**	Sir A. Cooper born, 1768.
23	M.	
24	Tu.	
25	W.	
26	Th.	Goethe born, 1749.
27	F.	
28	S.	
29	**S.**	
30	M.	
31	Tu.	

9th Month SEPTEMBER xxx days. 1920.

1	W.	
2	Th.	
3	F.	
4	S.	
5	**S.**	
6	M.	
7	Tu.	Prof. Exams. Newfoundland.
8	W.	
9	Th.	Galvani born, 1737.
10	F.	
11	S.	
12	**S.**	
13	M.	
14	Tu.	
15	W.	Meeting of Quebec Medical Board (Quebec).
16	Th.	
17	F.	
18	S.	
19	**S.**	
20	M.	Matriculation Exams. begin.
21	Tu.	
22	W.	Supplemental Exams. begin.
23	Th.	
24	F.	
25	S.	
26	**S.**	
27	M.	Meeting of Governors.
28	Tu.	Prof. Exams. Nova Scotia.
29	W.	
30	Th.	

10th Month OCTOBER xxxi days. 1920.

1	F.	Lectures begin.
2	S.	Physical Exam. First Year. Prof. G. P. Girdwood died, 1917.
3	**S.**	
4	M.	
5	Tu.	
6	W.	James McGill born, 1744, Founder's Day. Prof. James Stewart died, 1906.
7	Th.	First Examinations Dom. Med. Council, 1913.
8	F.	Fallopius died, 1562.
9	S.	Dr. A. F. Holmes died, 1860. Interclass Sports.
10	**S.**	
11	M.	Prof. F. Buller died, 1905.
12	Tu.	Medical Council of Canada Exams.
13	W.	Reamur died, 1757. Meeting of Corporation.
14	Th.	Vesalius died, 1564.
15	F.	University Sports. (No lectures.)
16	S.	Register closes for session 1920-1921.
17	**S.**	
18	M.	
19	Tu.	Baillie born, 1761.
20	W.	
21	Th.	
22	F.	
23	S.	
24	**S.**	
25	M.	Meeting of Governors.
26	Tu.	British Columbia Med. Board.
27	W.	
28	Th.	Lectures began in Montreal Med. Ins. in 1824.
29	F.	
30	S.	
31	**S.**	

11th Month NOVEMBER xxx days. 1920.

1	M.	
2	Tu.	
3	W.	
4	Th.	
5	F.	
6	S.	First lectures delivered in Med. Faculty, 1829.
7	**S.**	Dr. George Ross died, 1892. Prof. G. R. Mines died, 1914.
8	M.	
9	Tu.	Edward VII born, 1841.
10	W.	
11	Th.	Bichat born, 1771.
12	F.	Prof. Exams. Province of Ontario
13	S.	
14	**S.**	Dr. Duncan MacCallum died, 1904.
15	M.	
16	Tu.	
17	W.	
18	Th.	Sir William Dawson died, 1899.
19	F.	
20	S.	
21	**S.**	
22	M.	
23	Tu.	
24	W.	
25	Th.	
26	F.	
27	S.	
28	**S.**	
29	M.	Meeting of Governors.
30	Tu.	

12th Month DECEMBER xxxi days. 1920.

1	W.	
2	Th.	
3	F.	
4	S.	
5	**S.**	
6	M.	
7	Tu.	
8	W.	Herbert Spencer died, 1903. Meeting of Corporation.
9	Th.	
10	F.	
11	S.	
12	**S.**	
13	M.	Lectures end. (Third Year only.)
14	Tu.	James McGill died, 1813.
15	W.	Christmas Exams. (Third Year.)
16	Th.	
17	F.	
18	S.	
19	**S.**	
20	M.	
21	Tu.	Potts died, 1788. Autumn term ends.
22	W.	
23	Th.	
24	F.	
25	S.	Christmas Day.
26	**S.**	Peyer born, 1653.
27	M.	Meeting of Governors.
28	Tu.	
29	W.	
30	Th.	
31	F.	Boerhaave born, 1688.

1st Month JANUARY xxxi days. 1921.

1	S.	New Year's Day. Royal Victoria Hospital opened, 1894.
2	**S.**	
3	M.	Linacre born, 1460.
4	Tu.	Lectures resumed.
5	W.	
6	Th.	
7	F.	
8	S.	
9	**S.**	
10	M.	
11	Tu.	Prof. Exams. Saskatchewan.
12	W.	
13	Th.	Lower born, 1653.
14	F.	
15	S.	
16	**S.**	
17	M.	First Term ends.
18	Tu.	
19	W.	Examinations. (First and Second Year Students.)
20	Th.	Lord Strathcona died, 1914.
21	F.	Dr. Wm. Caldwell died, 1833.
22	S.	Queen Victoria died, 1901.
23	**S.**	
24	M.	
25	Tu.	New Brunswick Prof. Exams.
26	W.	Second Term begins. Dr. A. A. Browne died, 1910.
27	Th.	
28	F.	
29	S.	Charter granted to Montreal General Hospital, 1823.
30	**S.**	
31	M.	Meeting of Governors.

2nd Month FEBRUARY xxviii days. 1921.

1	Tu.	
2	W.	
3	Th.	Dr. Sutherland died, 1875.
4	F.	
5	S.	Willis born, 1622.
6	**S.**	
7	M.	
8	Tu.	
9	W.	Meeting of Corporation. Ash Wednesday. No lectures.
10	Th.	
11	F.	
12	S.	
13	**S.**	
14	M.	
15	Tu.	Laennec born, 1781. John Hunter born, 1728. Dr. Archibald Hall died, 1868. Prof. Wesley Mills died, 1915.
16	W.	
17	Th.	
18	F.	
19	S.	
20	**S.**	
21	M.	
22	Tu.	
23	W.	Albinus born, 1697.
24	Th.	Morgagni born, 1682.
25	F.	
26	S.	
27	**S.**	
28	M.	Meeting of Governors.

3rd Month MARCH xxxi days. 1921.

1	Tu.	
2	W.	
3	Th.	
4	F.	
5	S.	
6	**S.**	
7	M.	
8	Tu.	
9	W.	
10	Th.	Malphighi born, 1628.
11	F.	
12	S.	
13	**S.**	
14	M.	
15	Tu.	
16	W.	Prof. J. C. Cameron died, 1912.
17	Th.	
18	F.	
19	S.	
20	**S.**	
21	M.	
22	Tu.	
23	W.	
24	Th.	
25	F.	Good Friday. No lectures.
26	S.	
27	**S.**	Dr. R. P. Howard died, 1889.
28	M.	Meeting of Governors.
29	Tu.	
30	W.	
31	Th.	

4th Month APRIL xxx days. 1921.

1	F.	Prof. Exams. Alberta.
2	S.	
3	**S.**	Abernethy born, 1764.
4	M.	
5	Tu.	
6	W.	
7	Th.	
8	F.	
9	S.	
10	**S.**	
11	M.	Sydenham born, 1624. Prof. James Bell died, 1911.
12	Tu.	
13	W.	Meeting of Corporation.
14	Th.	
15	F.	
16	S.	Dr. William Wright died, 1908. Medical building burned, 1907.
17	**S.**	
18	M.	Manitoba Prof. Exams.
19	Tu.	
20	W.	
21	Th.	
22	F.	
23	S.	Shakespeare born, 1564.
24	S.	
25	M.	
26	Tu.	Meeting of Governors.
27	W.	
28	Th.	
29	F.	
30	S.	Lectures end.

5th Month MAY xxxi days. 1921.

1	**S.**	Montreal General Hospital opened for patients, 1822.
2	M.	
3	Tu.	
4	W.	
5	Th.	
6	F.	Edward VII. died, 1910. McGill General Hospital (No. 3) left for France, 1915-1919.
7	S.	
8	**S.**	
9	M.	Examinations begin.
10	Tu.	
11	W.	
12	Th.	
13	F.	
14	S.	Heberden born, 1710.
15	**S.**	
16	M.	
17	Tu.	Edward Jenner born, 1749. Prof. Exams. Nova Scotia.
18	W.	
19	Th.	
20	F.	
21	S.	Dr. Scott died, 1883.
22	**S.**	
23	M.	
24	Tu.	Victoria Day.
25	W.	
26	Th.	
27	F.	
28	S.	Dr. G. W. Campbell died, 1882. John H. R. Molson died, 1897.
29	**S.**	
30	M.	Meeting of Governors.
31	Tu.	

6th Month. JUNE xxx days. 1921.

1	W.	Prof. Exams. Quebec. " " Ontario.
2	Th.	
3	F.	George V. born, 1865. Corner-stone Mont. Gen. Hospital laid, 1821.
4	S.	
5	S.	Opening of New Medical Building, 1911. Eustachius died, 1574.
6	M.	
7	Tu.	
8	W.	Meeting of Corporation.
9	Th.	
10	F.	
11	S.	
12	S.	
13	M.	
14	Tu.	Med. Council of Canada Exams.
15	W.	
16	Th.	Sir William Macdonald died, 1917.
17	F.	
18	S.	
19	S.	Dr. Wyatt Johnston died, 1902. Rolando born, 1773.
20	M.	
21	Tu.	
22	W.	
23	Th.	
24	F.	
25	S.	
26	S.	
27	M.	Meeting of Governors. Dr. George Fenwick died, 1894.
28	Tu.	Dr. Robert Craik died, 1906. New Brunswick Prof. Exams. Mont. Med. Institution became Med. Fac., 1829.
29	W.	
30	Th.	

Governing Body of the University.

VISITOR.

HIS EXCELLENCY THE MOST NOBLE VICTOR CHRISTIAN WILLIAM CAVENDISH, DUKE OF DEVONSHIRE, K.G., P.C., G.C.M.G., G.C.V.O.

GOVERNOR-GENERAL OF CANADA, ETC.

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FRED. W. MOLSON, Esq.

LIEUT.-COL. ROBERT STARKE.

LIEUT.-COL. HERBERT MOLSON, B.Sc., C.M.G., M.C.

HUNTLY R. DRUMMOND, Esq.

C. E. NEILL, Esq.

P. P. COWANS, Esq.

RIGHT HON. LORD ATHOLSTAN, LL.D.

Officers and Members of the Faculty Since its Origin.

DEANS.

Dr. W. Robertson, official head of the Montreal Medical Institution, 1823, succeeded by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary. Dr. A. F. Holmes was the first Dean, 1854.

Geo. W. Campbell, 1860.
Robt. Craik, 1889.
R. P. Howard, 1882.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.

REGISTRARS.

John Stephenson, 1829.
William Wright, 1864.
William Osler, 1877.
Jas. Stewart, 1884.
Archibald Hall, 1842.
Robt. Craik, 1869.
F. J. Shepherd, 1883 (acting).
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
J. W. Scane, 1903.

CHAIR OF MEDICINE.—(Founded 1824.)

William Caldwell, 1824.
Andrew F. Holmes, 1842.
George Ross, 1889.
William Robertson, 1833.
R. Palmer Howard, 1860.
James Stewart, 1893.
F. G. Finley, Asst. Prof., 1894; Prof., 1907.
H. A. Lafleur, Asst. Prof., 1894; Prof., 1907.
C. F. Martin, Asst. Prof., 1899; Prof. 1907.
W. F. Hamilton, Asst. Prof., 1908; Assoc. Prof., 1913.

CHAIR OF SURGERY.—(Founded 1824.)

John Stephenson, 1824.
Geo. E. Fenwick, 1875.
G. W. Campbell, 1835.
T. G. Roddick, 1890.
Jas. Bell, Asst. Prof., 1891; Prof., 1907.
George E. Armstrong, 1907.
J. A. Hutchison, 1913.
J. M. Elder, Asst. Prof., 1903-1920.
A. E. Garrow, Asst. Prof., 1908.

CHAIR OF OBSTETRICS.—(Founded 1824.)

William Robertson, 1824.
Geo. W. Campbell, 1835.
Archibald Hall, 1854.
Arthur A. Brown, 1883.
John Racey, 1833.
Michael McCulloch, 1842.
D. C. MacCallum, 1868.
J. Chalmers Cameron, 1886.
W. W. Chipman, 1913.
D. J. Evans, Asst. Prof., 1911; Assoc. Prof., 1912-1920.
H. M. Little, Asst. Prof., 1912.

CHAIR OF ANATOMY.—(Founded 1824.)

John Stephenson, 1824.
Wm. E. Scott, 1856.
Oliver T. Bruneau, 1842.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
J. G. McCarthy, Asst. Prof., 1903.
J. A. Henderson, Asst. Prof., 1913.
S. E. Whitnall, 1919.

CHAIR OF CHEMISTRY.—(.Founded 1824.)

Andrew F. Holmes, 1824.
William Sutherland, 1849.
Gilbert P. Girdwood, 1879.
Archibald Hall, 1842.
Robt. Craik, 1867.
R. F. Ruttan, Asst. Prof., 1891.
R. F. Ruttan, 1902.

CHAIR OF PHYSIOLOGY—(Founded 1824, Endowed 1897.)

John Stephenson, 1824.
Robert L. Macdonnell, 1845.
Joseph M. Drake, 1868.
Stephen C. Sewell, 1842.
William Fraser, 1849.
William Osler, 1874.
Wesley Mills, 1886.
W. S. Morrow, Asst. Prof., 1904.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.

CHAIR OF PHARMACOLOGY AND THERAPEUTICS. (Founded 1824.)

Andrew F. Holmes, 1824.
Stephen C. Sewell, 1842.
William Wright, 1854.
Archibald Hall, 1835.
A. Hall, 1849.
James Stewart, 1883.
A. D. Blackader, 1891.
J. T. Hasley, Asst. Prof., 1903.
J. W. Scane, Asst. Prof., 1910.

CHAIR OF BOTANY.—(Founded 1829.)

Andrew F. Holmes, 1829.
Dr. Papineau, 1845.
J. W. Dawson, 1855.
James Barnston, 1857.
J. W. Dawson, 1858.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

CHAIR OF CLINICAL MEDICINE.—(Founded 1845.)

James Crawford, 1845 and 1852.
Stephen C. Sewell, 1850.
Duncan C. MacCallum, 1860.
George Ross, 1872.
Richard L. MacDonnell, 1889.
R. Palmer Howard, 1856.
Joseph M. Drake, 1872.
Robt. L. Macdonnell, 1849.
James Stewart, 1891.
F. G. Finley, 1907.
H. A. Lafleur, 1907.
C. F. Martin, 1907.
W. F. Hamilton, Assoc. Prof., 1913.

CHAIR OF CLINICAL SURGERY.—(Founded 1845.)

James Crawford, 1845.
Duncan C. MacCallum, 1856.
George E. Fenwick, 1867.
William E. Scott, 1852.
Robert Craik, 1860.
Thomas G. Roddick, 1875.
James Bell, 1894.
Geo. E. Armstrong, 1907.
J. A. Hutchison, 1913.
A. E. Garrow, Asst. Prof., 1908.
J. M. Elder, B.A., Asst. Prof., 1911-1920.
E. W. Archibald, Asst. Prof., 1920.
A. T. Bazin, Asst. Prof., 1920.

CHAIR OF MEDICAL JURISPRUDENCE.—(Founded 1845.)

William Fraser, 1845.
Francis C. T. Arnoldi, 1850.
William Wright, 1852.
Duncan C. MacCallum, 1860.
William Gardner, 1875.
Francis Badgley, 1849.
William E. Scott, 1851.
R. Palmer Howard, 1854.
George E. Fenwick, 1867.
George Wilkins, 1883.
D. D. MacTaggart, 1911.

CHAIR OF HYGIENE AND PUBLIC HEALTH.

(Founded 1871, Endowed 1893.)

George Ross, 1871.
Robert T. Godfrey, 1875.
R. L. MacDonnell, 1886.
Wyatt Johnson, 1902.
Thomas G. Roddick, 1873.
William Gardner, 1879.
Robert Craik, 1889.
T. A. Starkey, 1902.

CHAIR OF PRACTICAL CHEMISTRY.—(Founded 1872.)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

CHAIR OF OPHTHALMOLOGY AND OTOLOGY.

(Founded 1883.)

Frank Buller, 1883.

CHAIR OF GYNÆCOLOGY.—(Founded 1883.)

William Gardner, 1883.
W. W. Chipman, 1910.
F. A. L. Lockhart, Assoc. Prof., 1912; Clin. Prof., 1920.
J. R. Goodall, Asst. Prof., 1912.

CHAIR OF PATHOLOGY.—(Founded 1892, Endowed 1893.)

J. Geo. Adami, 1892-1919. A. G. Nicholls, Asst. Prof., 1904.
O. C. Gruner, Asst. Prof., 1911.
A. M. Burgess, Asst. Prof., 1913.
L. J. Rhea, Assoc. Prof., 1914.
H. Oertel, Assoc. Prof., 1914; Prof., 1919.

CHAIR OF LARYNGOLOGY.—(Founded 1893.)

G. W. Major, 1893. H. S. Birkett, 1895.

CHAIR OF ZOOLOGY.

E. W. MacBride, 1902.
Arthur Willey, 1910.

CHAIR OF OTO-LARYNGOLOGY.—(Founded 1906.)

H. S. Birkett, 1906.

CHAIR OF OPTHALMOLOGY.—(Founded 1906.)

J. W. Stirling, 1906.
W. G. M. Byers, Clin. Prof., 1920.
G. H. Mathewson, Clin. Prof., 1920.

CHAIR OF HISTORY OF MEDICINE.—(Founded 1907.)

Andrew Macphail, 1907.

Benefactors of the Faculty of Medicine.

I.—Leanchoil Endowment.

This endowment, established in 1883, has been invested and the interest applied to the general expenses of the Faculty.

Lord Strathcona and Mount Royal, G.C.M.G..... $50,000

II.—Campbell Memorial Endowment.

Established in 1883 to commemorate the services rendered to the Faculty during forty years of the late Dean, George W. Campbell, M.D., LL.D.

This fund has also been invested, and the income from it utilized for general expenses of the Faculty..... $48,906

III.—The Drake Endowment.

Given as a donation from 1891 to 1897, $500 per annum towards the expenses of the chair of Physiology.

Endowment of the Joseph Morley Drake chair of Physiology.

Walter Drake and Esther Maria Drake..... $25,000

IV.—The Dr. Geo. Major Donation.

Prof. Geo. Major in 1892 contributed $500 towards the Chair of Pathology.

Dr. Geo. Major..... $500

V.—The Dow Bequest.

A bequest from the late Mrs. Mary Dow in 1892, the interest from which is devoted to the general expenses of the Faculty.

The late Mrs. Mary Dow..... $10,000

VI.—The Mrs. John McDougall Donation.

A donation from Mrs. John McDougall in 1892 to bear Dr. Craik's name, the interest on which is applied to the general expenses of the Medical Faculty.

Mrs. John McDougall..... $1,000

VII.—The Molson Fund.

A donation from the late Mr. John H. R. Molson in 1893 to enable the Faculty to purchase land and erect an additional wing to its buildings.

John H. R. Molson..... $60,000

VIII.—The Lord Strathcona and Mount Royal Endowment.

An endowment in 1893 of the chairs of Pathology and Sanitary Science.

Lord Strathcona and Mount Royal..... $100,000

IX.—The Learmont Bequest.

A bequest in 1894, from Miss Jane Learmont, to bear Dr. Craik's name, the interest on which is applied to the general expenses of the Faculty.

The late Miss Jane Learmont $3,000

X.—The Lord Strathcona and Mount Royal Building Fund.

A donation in 1898 in the names of Lady Strathcona and the Honorable Mrs. Howard, to enable the Faculty to meet the increased demand for laboratory accommodation.

Lady Strathcona..... $50,000
Hon. Mrs. Howard..... $50,000

XI.—The David Morrice Donation.

In 1901, Mr. David Morrice donated the sum of $5,250 for the equipment and carrying on of research work in the "Eddie Morrice" laboratory of Pharmacology..... $5,250

XII.—The Lord Strathcona Donation.

In 1904, Lord Strathcona presented a further sum of $50,000 to meet the increased expenditure of the Faculty.

Lord Strathcona..... $50,000

XIII.—The James Ross Donation.

During the session of 1905-06 Mr. James Ross contributed the sum of $350.00 to meet the expense of some special research work in the department of Pathology and Bacteriology..... $350

XIV.—The H. W. Thornton Memorial Fund.

This fund of $3,000 was given in 1908 through Dr. J. J. Gardner to commemorate the name of Dr. H. W. Thornton, of New Richmond, Que. The interest on this amount to be applied to the purchase of foreign journals for the Medical Library..... $3,000

XV.—The Lord Strathcona Building Fund.

In July, 1909, Lord Strathcona gave $450,000 to provide for the completion of the museum and the west wing of the new Medical Building..... $450,000

XVI.—The Medical Faculty Relief Fund.

This fund has been subscribed by the graduates in medicine in response to an appeal for aid to meet the loss sustained by the destruction of the Medical Building in the spring of 1907..... $12,571

XVII.—The Lord Strathcona Equipment Fund.

In June, 1911, on the occasion of the opening of the New Medical Building, Lord Strathcona gave the sum of $100,000 to complete the equipment of the new building.....$100,000

XVIII.—The Arthur Browne Memorial Fund.

During the session 1910-11 the sum of $10,000 was received from the Committee in charge of the Arthur Browne Memorial Fund. . $10,000

XIX.—The John Baillie Donation.

In 1911, Mr. John Baillie gave the sum of $500 per year for three years for special research in the Department of Experimental Medicine $1,500

XX.—The Dr. James Douglas Fund.

In 1911, Dr. James Douglas, of New York, gave the sum of $25,000 as a special fund to found a Fellowship in Pathology and Clinical Research $25,000

XXI.—The Edward McDougall Morrice Endowment.

In 1911, Mr. David Morrice gave the sum of $10,000 in memory of Edward McDougall Morrice as an endowment for research in the Department of Pharmacology $10,000

For the same object the D. Morrice Co. gave the sum of $2,500, Mr. R. B. Morrice the sum of $500, and Dr. A. D. Blackader the sum of $1,000 ..... $4,000

XXII.—The Robert Reford Endowment.

In 1911, Mr. Robert Reford gave the sum of $100,000 as an endowment for the Department and Chair of Anatomy $100,000

XXIII.—The James Cooper Endowment.

In 1912, the sum of $60,000 was received from the estate of the late Mr. James Cooper as an endowment for study and research in internal and experimental medicine $60,000

XXIV.—The Dr. Casey Wood Donation.

In 1904, Dr. Casey A. Wood, of Chicago, gave the sum of $1,000 for the maintenance of the section of Ophthalmology in the Medical Library $1,000

XXV.

In 1914, The Executors of the Estate of the late Dr. Lorne Campbell gave the sum of £200 to replace the portrait of the late Dr. Geo. W. Campbell £200

XXVI.

In 1918, the sum of $500,000 was received from the Estate of the late Sir William Macdonald, Chancellor of the University, the proceeds to be used for the general expenses of the Faculty $500,000

Faculty of Medicine.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D. Principal.

HERBERT S. BIRKETT, C.B., M.D., Dean.

J. W. SCANE, M.D., Assistant Dean.

EMERITUS PROFESSORS.

SIR THOMAS G. RODDICK, Kt., M.D., LL.D. (Edin. and Queen's), F.R.S.C., Eng. (Hon.), Surgery, 705 Sherbrooke St. W.

WILLIAM GARDNER, M.D., Gynæcology, 457 Sherbrooke Street West.

FRANCIS J. SHEPHERD, M.D., LL.D. (Edin. and Harv.), F.R.S.C. (Hon.), Edin. and Eng., Anatomy, 152 Mansfield Street.

PROFESSORS.

~~MEMBERS OF FACULTY.~~

ALEX. D. BLACKADER, M.A., M.D., Professor of Pharmacology and Therapeutics, Professor of Pediatrics, 236 Mountain Street.

R. F. RUTTAN, B.A., M.D., D.Sc., F.R.S.C., Professor of Chemistry, 660 Sherbrooke Street West.

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L. J. RHEA, M.D., Associate Professor of Pathology, Montreal General Hospital.

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G. H. MATHEWSON, B.A., M.D., Clinical Professor in Ophthalmology, Birks Bldg., Phillips Square.

GEO. ERIC SIMPSON, M.A., Assistant Professor of Biological Chemistry, McGill College.

LECTURERS.

G. Gordon CAMPBELL, B.Sc., M.D., Lecturer in Pediatrics and in Dermatology, 123 Crescent Street.

J. R. GOODALL, O.B.E., M.D., D.Sc., Lecturer in Obstetrics, 377 Mountain Street.

D. A. SHIRRES, M.D. (Aberdeen), Lecturer in Clinical Neurology, 670 Sherbrooke Street West.

W. M. FISK, M.D., Lecturer in Histology, 98 Park Avenue.

W. L. BARLOW, B.A., M.D., Lecturer in Clinical Surgery, cor. Roslyn Avenue and Sherbrooke Street.

MAUDE E. ABBOTT, B.A., M.D. (Bishop's), M.D. Hon. (McGill), L. R. C.P. and S. (Edin.), Lecturer in Pathology and Curator of the Pathological Museum, McGill College.

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DAVID PATRICK, M.D., Lecturer in Gynæcology, 4464 St. Catherine Street.

H. D. HAMILTON, M.D., Lecturer in Oto-Laryngology, New Birks Building.

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S. H. MCKEE, C.M.G., B.A., M.D., Lecturer in Ophthalmology, 158 Crescent Street.

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F. S. JACKSON, M.D., Lecturer in Embryology, 473 Argyle Avenue.

H. B. CUSHING, B.A., M.D., Lecturer in Medicine and Clinical Medicine and in Pediatrics, 142 Crescent Street.

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E. M. EBERTS, M.D., Lecturer in Surgery and Clinical Surgery, 219 Peel Street.

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N. B. Eddy, M.D., Lecturer in Physiology, 145 Bayle Street.

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Geo. Scarth, M.A., Lecturer in Biology, McGill College.

F. W. Harvey, B.A., M.D., Medical Director of Physical Education, 4007 Dorchester Street West.

FELLOWS.

Louis Gross, M.D., Dr. James Douglas Fellow in Pathology, McGill College.

DEMONSTRATORS.

C. K. P. Henry, M.D., Demonstrator of Clinical Surgery, 4549 Sherbrooke Street.

A. R. Pennoyer, M.D., Demonstrator of Clinical Surgery, 418 Mackay Street.

C. F. Wylde, M.D., Demonstrator of Clinical Medicine and of Pediatrics, 101 Crescent Street.

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W. H. P. Hill, M.D., Demonstrator of Clinical Surgery, 409 Mackay Street.

F. McKenty, M.D., F.R.C.S., Demonstrator of Clinical Surgery, 464 Union Avenue.

R. H. M. Hardisty, M.C., B.A., M.D., Demonstrator of Clinical Medicine, 52 McGill College Avenue.

J. G. Browne, M.D., Demonstrator of Clinical Medicine, 294 Sherbrooke Street West.

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Hamilton White, B.A., M.D., Demonstrator of Oto-Laryngology, 589 Dorchester Street West.

C. F. Moffatt, M.D., Demonstrator of Clinical Medicine, 9 Durocher Street.

J. T. Rogers, M.D., Demonstrator of Oto-Laryngology, 464 Union Avenue.

W. J. Patterson, M.D., Demonstrator of Orthopedic Surgery, 386 Sherbrooke Street West.

F. A. C. Scrimger, V.C., B.A., M.D., Demonstrator of Clinical Surgery and Director of Experimental Medicine, 154 Metcalfe Street.

F. J. Tees, M.C., M.D., Demonstrator of Clinical Surgery and of Anatomy, 6 Bishop Street.

R. E. Powell, M.D., Demonstrator of Genito-Urinary Surgery, 132 Crescent Street.

W. E. Enright, B.A., M.D., Demonstrator of Pediatrics, 4166 Dorchester Street West.

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Wesley Bourne, M.D., Demonstrator of Pharmacology, 42 St. Mark Street.

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A. G. Morphy, M.D., Demonstrator of Psychiatry, 761 Sherbrooke Street West.

J. MacMillan, M.D., Demonstrator of Ophthalmology, 129 Stanley St.

A. G. McAuley, M.D., Demonstrator of Ophthalmology, 579 Dorchester Street West.

A. H. MacCordick, M.D., Demonstrator of Medicine and Clinical Medicine and of Clinical Chemistry, 131 Stanley Street.

C. C. Birchard, M.D., Demonstrator of Medicine and Clinical Medicine, McGill College.

E. E. Robbins, M.D., Demonstrator of Medicine and Clinical Medicine, 1963 Park Avenue.

D. MacCallum, M.D., Demonstrator of Medicine and Clinical Medicine, 154 Drummond Street.

H. A. Sims, M.D., Demonstrator of Psychiatry, 133 Durocher Street.

A. H. Pirie, M.D., Demonstrator of Roentgenology, McGill College.

W. A. Wilkins, M.D., Demonstrator of Roentgenology, Montreal General Hospital.

W. J. Scott, M.D., Demonstrator of Pathology, Montreal General Hospital.

V. Henry, B.A., M.Sc., Demonstrator of Physics, McGill College.

D. Sclater Lewis, B.A., M.D., Demonstrator of Medicine and Clinical Medicine and of Clinical Therapeutics, 637 Union Avenue.

H. P. Wright, B.A., M.D., Demonstrator of Clinical Chemistry and Assistant Demonstrator in Pediatrics, 440 Mackay Street.

W. McG. Mitchell, B.A., Demonstrator of Chemistry, McGill College.

J. F. Logan, M.A., Demonstrator of General Chemistry and John McCrae Scholar, McGill College.

L. M. Lindsay, M.D., Demonstrator of Pediatrics, 615 University St.

N. Viner, M.D., Demonstrator of Neurology, 81 Crescent Street.

F. H. MacKay, B.A., M.D., Demonstrator of Neurology, 33 Durocher Street.

W. W. Beattie, B.A., M.D., Demonstrator of Pathology and Assistant Curator of Museum, 309 Stanley Street.

H. N. Segall, M.D., Demonstrator of Pathology and Assistant Curator of Museum, 162 De la Roche Street.

E. Lozinsky, M.D., Assistant in Physiology, 1148 St. Urbain Street.

L. Notkin, M.D., Assistant in Physiology, 140 Cherrier Street.

H. E. MacDermot, M.D., Senior Demonstrator of Anatomy, 4932 Western Avenue.

A. D. CAMPBELL, M.D., Senior Demonstrator of Anatomy, 4773 Sherbrooke Street West.

R. B. MALCOLM, M.D., Demonstrator of Anatomy, 295 Querbes Ave.

L. H. MCKIM, M.D., Demonstrator of Anatomy, 4880 Sherbrooke Street West.

T. C. WOLFF, M.D., Demonstrator of Anatomy, McGill College.

G. A. FLEET, M.D., Demonstrator of Anatomy, 553 Papineau Avenue.

A. ROSS, M.D., Demonstrator of Anatomy, McGill College.

M. SENG, M.D., Demonstrator of Urology, Sherbrooke Street West.

ASSISTANT DEMONSTRATORS.

W. H. SMYTH, B.A., M.D., Assistant Demonstrator of Clinical Surgery, 4822 Western Avenue.

H. D. BALLON, B.A., M.D., Assistant Demonstrator of Oto-Laryngology, 255 Bishop Street.

GUY JOHNSON, M.A., M.D., F.R.C.S., Edin., Assistant Demonstrator of Clinical Surgery, 453 Sherbrooke Street West.

J. ROSENBAUM, M.D., Assistant Demonstrator of Ophthalmology, 36 Sherbrooke Street West, Apt. 2.

D. MENDEL, M.D., Assistant Demonstrator of Clinical Medicine, 1729 Park Avenue.

E. C. LEVINE, M.D., Assistant Demonstrator of Clinical Surgery, 271 Bishop Street.

C. R. BOURNE, M.D., Assistant Demonstrator of Clinical Medicine, 4174 St. Catherine Street West.

A. BRAMLEY-MOORE, M.D., Assistant Demonstrator in Ophthalmology, 820 Dorchester Street West.

R. P. WRIGHT, D.S.O., C.M.G., M.D., Assistant Demonstrator of Oto-Laryngology, 440 Mackay Street.

G. E. HODGE, M.D., Assistant Demonstrator of Oto-Laryngology, Royal Victoria Hospital.

A. T. HENDERSON, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 578 Dorchester Street West.

ALTON GOLDBLOOM, B.A., M.D., Assistant Demonstrator of Pediatrics, 255 Bishop Street.

FACULTY OF MEDICINE.

The Eighty-ninth session of the Faculty will be opened on October 1st, 1920. The regular lectures in all subjects will begin on October 1st, at the hours specified in the time-tables, and will continue until April 30th, 1921.

FOUNDATION AND EARLY HISTORY.

The Faculty of Medicine of McGill University is the direct outcome and continuance of a teaching body known as the Montreal Medical Institution, which was organized as a medical school in the years 1823-24 by Drs. Wm. Robertson, Wm. Caldwell, A. F. Holmes, John Stephenson and H. P. Loedel. These men constituted the first medical staff of the Montreal General Hospital, itself established in 1819. The first session of the Montreal Medical Institution opened in November, 1824, with 25 students, and the lectures were given at the house of the Institution, No. 20 St. James Street, a building situated on the north side of St. James Street, at or near Place d'Armes.

In the year 1829, the Montreal Medical Institution became, by the formal act of the Governors of the Royal Institution for the Advancement of Learning, the Medical Faculty of McGill University. It is thus the oldest Faculty of the University. The first session of the McGill Medical Faculty took place in the winter of 1829-30, and the first university degree, a medical one, was conferred four years later, in 1833.

There were no sessions held during the political troubles of 1836 to 1839, and it is owing to this fact that this is the eighty-ninth instead of the ninety-first session of the Faculty, dating from its incorporation with the University in the year 1829.

The work of the Faculty was carried on in the central part of the city until 1872, when a building was provided by the Governors on the University grounds. This building met the demands of the steadily increasing number of students until 1885, when an addition was found to be necessary.

In 1893, and again in 1898, further extensions and alterations were made, funds for the purpose having been provided by generous friends of the Faculty.

On the 16th of April, 1907, a part of these new buildings, together with the original medical building, was destroyed by fire. The wing containing the principal laboratories and lecture rooms was saved, however, and is now used by the Departments of Physiology and Medical Chemistry.

The erection of a new building was at once begun on a new site, at the corner of Pine Avenue and University St., and in 1910 the greater part of it was ready for occupation. In 1911 it was wholly available for the work of the Faculty, which can now boast of one of the most modern and best-equipped medical buildings on this Continent.

Matriculation.

All inquiries relating to the examinations for entrance should be addressed to the Registrar of the University.

No student will be permitted to register in the Faculty of Medicine unless he has completely satisfied the matriculation requirements of the University.

1. Every student, before he can be enregistered as an undergraduate in Medicine, must present a certificate of having passed the Matriculation Examination of the Faculty of Medicine of this University, or of having passed some provincial, state or university examination accepted by this University.

2. Graduates in Arts of any recognized university and those who have passed the entrance examination of a provincial medical council, and thus become enregistered students in medicine of a province in Canada, are exempt from further preliminary examination.

3. Matriculation examinations (for entrance into all Faculties) are held in June and September—in June at McGill College and at the local centres named below (paragraph 5); in September at Montreal only, except in cases which require special consideration.

For the convenience of candidates in Great Britain, who are not otherwise qualified for entrance, an examination will be held regularly in London, Eng., each year, commencing on or about the 12th of June. Full information regarding the exact date of the examination, fee, etc., may be obtained from the Honorary Representative of the University, W. A. Bulkeley-Evans, Esq., M.A., Secretary, Headmasters' Conference, 12 King's Bench Walk, Temple, London, E.C.

4. Every candidate for examination is required to fill up an application form and return the same with the necessary fee (for which see page 37) one month before the examination begins. Blank forms may be obtained from the Registrar.

No application for examination in June will be received after May 20th.

5. Examinations will be held in June at the following centres outside the Province of Quebec, if a sufficient number of candidates apply:—Sydney, N.S.; Rothesay, N.B.; Ottawa, Ont.; Brockville, Ont.; Port Hope, Ont.; Toronto, Ont.; Hamilton, Ont.; St. Catharines, Ont.; Winnipeg, Man.; Regina, Sask.; Calgary, Alta.; Kingston, Jamaica, and London, Eng. Candidates who are not within easy reach of any of the above centres are advised to prepare for entrance by



New Medical Building—Front Elevation from Campus.

taking an examination recognized by the University as shown on page 36.

6. The matriculation examination may be taken in two parts, but in order to be valid for entrance it must be completed within two years from date of the first attempt. Credit will not be given for less than four papers passed at one time,* except in the case of those who are not required to take as many as four papers to complete the examination; nor will credit be given for less than four papers on certificates, which may be presented for exemption from the matriculation examination, and no certificate will be accepted which has been obtained under easier conditions than those which are imposed on candidates who are attempting to qualify for entrance by taking the regular University examination.

7. A candidate in order to pass must obtain at least 50 per cent. of the total number of marks allowed for each subject. In subjects in which two papers are set, 50 per cent. on the two and not less than 40 per cent. in either, and this only when the two papers are taken at the same examination.

This regulation also applies in the case of candidates who present certificates.

Intending students who wish to enter by certificates should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high (see regulation 7). Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

8. The certificates and diplomas named below will, if submitted to the Registrar, be accepted *pro tanto* in lieu of the matriculation examination, *i.e.*, in so far as the subject and standard of the examination taken to obtain them are, to the satisfaction of the Matriculation Board, equivalent to those required for the matriculation examination of this University. Candidates offering certificates which are not a full equivalent will be required to pass the matriculation examination in such of the required subjects as are not covered thereby:—

Province of Quebec.

The University School Leaving Certificate.
The Model School diploma.

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* For the purpose of this regulation the June and September examinations of the same year will be considered as "one time."

Province of Ontario.

Certificate of admission to the Normal School.
Junior matriculation certificate.

Province of New Brunswick.

First Class, Superior and Grammar School licenses.
Grade XI and XII certificates.

Province of Nova Scotia.

The Leaving Certificate of Grade XI.

Province of Prince Edward Island.

First Class Teachers' license.
Second Year certificate of Prince of Wales College.

Province of British Columbia.

Intermediate Grade certificate.

Province of Manitoba.

Second Class Teachers' certificate.

Provinces of Alberta and Saskatchewan.

The Department Certificate of Standard XI.

Newfoundland.

Associate Grade certificate.

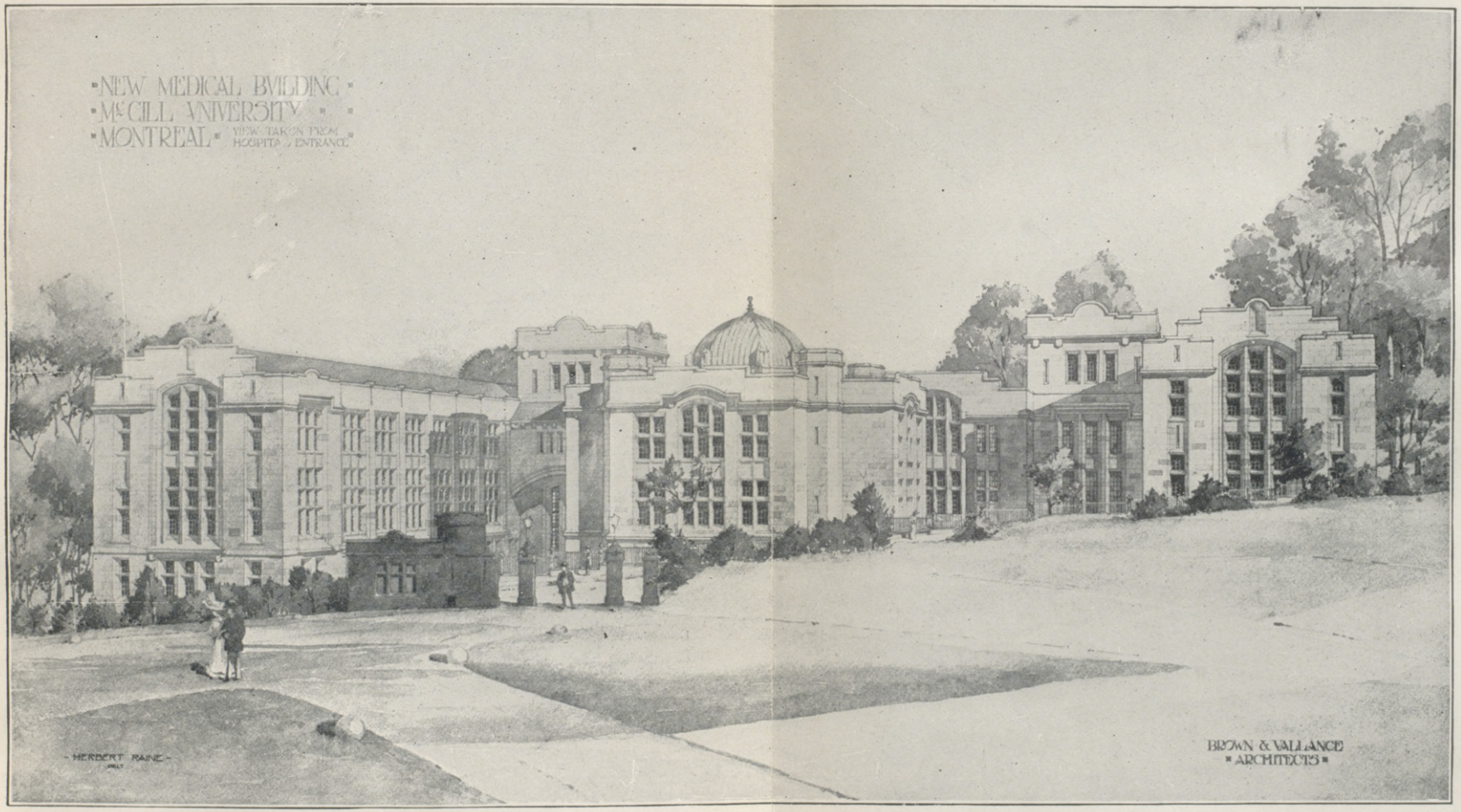
United States.

Certificates granted by the College Entrance Examination Board, and by the New York State Board of Regents.

Great Britain.

The holder of a higher certificate or a school certificate of the Oxford and Cambridge Schools Examination Board, of the senior certificate of the Oxford or Cambridge Board of Examiners, of a first class certificate of the College of Preceptors, or of a higher examination certificate of the Scotch and Welsh Education Departments, is entitled to exemption from the matriculation examination *pro tanto*, if he has at one and the same examination passed in certain specified subjects.

Applications for exemption from the matriculation examination, based upon certificates of having passed examinations other than those above mentioned, will be considered as occasion may require by the Matriculation Board. Every such application must be accompanied by



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certificates and full particulars, and should be addressed to the Registrar.

Woman Students.

Women students may register in the double course for the degree of B.Sc. and M.D., or of B.A. and M.D. Those having the degree of B.A. or B.Sc. in Arts from a recognized university or who have taken two years in the Arts Course at a recognized university may register in the regular course for the degree of M.D., C.M.

Matriculation Examination Fees.

For an examination in six or more papers.....	$7.00
(For examination at a local centre where not more than four candidates are writing, the fee will be determined by the Registrar.)	
For an examination in from three to five papers.....	4.00
For an examination in one or two papers.....	2.00
For examination of certificates, in respect of which candidates are exempted from the whole of the matriculation examination	2.00

Matriculation examination fees must be sent to the University Registrar at the time of application for the examination. No application will be accepted unless accompanied by the regular fee.

Certificates will be issued to successful candidates without additional fee.

Subjects of Examination.

1. **English** (two papers).
2. **History** (one paper).
3. **Latin** (two papers).
4. **Elementary Mathematics** (Algebra, one paper and Geometry, one paper).
5. **Chemistry** (one paper).
6. **Physics** (one paper).
7. One of the following:
   Greek, French, German (two papers).

The requirements in each subject may be learned by writing to J. A. Nicholson, M.A., University Registrar.

In addition to the certificates mentioned on pages 35 and 36 the following are accepted *pro tanto* in lieu of the matriculation examination in this faculty:—

(1) The degree of Bachelor of Arts obtained from any recognized university.

(2) A certificate of having passed the examination of a Provincial Medical Council.

Those who intend to practise medicine in any of the provinces of Canada will obtain information regarding registration and admission to study by corresponding with the Registrars of the several Provincial Medical Councils. (See page 40.)

PHYSICAL EXAMINATION, VACCINATION AND HEALTH.

In order to promote as far as possible the physical welfare of the student body, every student on entering the University will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative.

By such examination physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics special exercise will be prescribed and instruction provided. The students will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for this examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Examinations will be held frequently throughout the Session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

The University is responsible for providing medical attention for all students throughout the session.

Registration.

In order to prevent overcrowding of class rooms and clinics it has been decided to limit the number of students registering in the first year of the medical course. Early application is advised and should be made on the regular forms to be had from the Registrar.

1. Candidates for entrance into the Faculty of Medicine, whether as undergraduates or partial students, are required, some time during the week preceding the opening day of the session, to attend at the office of the Registrar of the University, or such other place as he may designate, in order to furnish the information necessary for the University records, to register for the classes which they propose to attend, and to sign the following declaration in the matricula or register: "I hereby accept and submit myself to the statutes, rules and ordinances of McGill University and of the Faculty in which I am registered, and to any amendments which may be made while I am a student of the University, and I promise to observe the same."

Between September 20th and September 29th, both dates inclusive, students may register for the session 1920-21 at the Office of the University Registrar.

Thursday, September 30th, will be special registration day for new students.

Application for Equivalent Standing.

Any student of another university who desires to be admitted to the Medical Department of this University with equivalent standing is requested to send his application to the Dean of the Medical Faculty, together with:—

1st.—A Calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—A complete statement of the course he has followed.

3rd.—A certificate of the standing gained, and of conduct. These will be submitted to the Faculty, who will decide what examination may be necessary before admitting the candidate.

Board and Residence.

Good board and lodging can be obtained in private houses in the vicinity of the University building at a cost of from $50 and upwards per month; or, separately, board at $40 to $50 per month; rooms from $12 to $20.

A list of suitable boarding and lodging houses is prepared about a fortnight before the opening of the session each year, and may be obtained on application to the Secretary of the Y.M.C.A., Strathcona Hall.

Excellent board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter, where meals are served *à la carte*.

Dormitory accommodation for about sixty is provided in Strathcona Hall, the home of the McGill Y.M.C.A. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal ,who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

REQUIREMENTS FOR LICENSE TO PRACTISE.

Intending students are reminded that a University degree in Medicine does not always give a right to practise the profession of medicine. It is necessary to conform with the medical laws of the country or province in which it is proposed to begin practice. Each province in Canada at present has its special requirements for license,

and in most provinces a special standard of general education is insisted upon before beginning the study of Medicine. Students who intend practising in Canada are warned that in certain of the provinces it is necessary to be registered five years before obtaining a license to practise. It follows that entrance qualifications must be registered in the province in which the student intends to practise at the beginning of his course in Medicine.

For the convenience of students, a list of names and addresses of the Registrars of the Medical Councils in the several provinces is here given. Every student should comply with the requirements for registration in one or other of the provinces, before entering on his course in the Faculty of Medicine.

QUEBEC.—Dr. J. Gauvreau, Dandurand Bldg., corner St. Catherine and St. Denis Streets, Montreal.

ONTARIO.—Dr. H. Wilberforce Aikins, 170 University Avenue, Toronto.

NEW BRUNSWICK.—Dr. S. S. Skinner, St. John.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Charlottetown.

NEWFOUNDLAND.—Dr. H. Rendell, St. John's.

MANITOBA.—Dr. J. E. Coulter, Winnipeg.

ALBERTA.—Dr. John Park, Edmonton.

SASKATCHEWAN.—Dr. G. A. Charlton, Regina.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver.

DOMINION REGISTRATION.

In order to take the examinations of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Council that he holds qualifications accepted and approved of by the Medical Council of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN.

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britian. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN.

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Councils of the Provinces of Quebec, Ontario, Nova Scotia, Prince Edward Island, Saskatchewan, Manitoba, British Columbia and New Brunswick. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain. He will thus be eligible for competitive examination for the Army, Navy and Civil Service, and will be allowed to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

Fees.

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on or before October 10th (if paid in instalments, one on or before October 10th, the other on or before February 1st). The registration ticket must be shown to the Bursar at the time of the first payment. After October 10th or February 1st, as the case may be, an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after October 20th, or February 5th (in the case of students who pay by instalments), the Bursar shall send to the Deans of the several Faculties a list of the registered students who have not paid their fees, on receipt of which the Deans shall cause their names to be struck from the register of attendance, and such students cannot be readmitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after October 20th shall pay their fees at the time of the registration, failing which they become subject to the provisions of Regulation 2.

4. The total Faculty fees for the medical course of six full sessions, including clinics, laboratory work, dissecting materials and reagents, will *be twelve hundred dollars,* payable in six annual instalments of $200.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $10.00 will be exacted from all men

undergraduates and conditioned undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees. *No fees will be refunded to partial students under any circumstances whatever.*

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged which will include dissecitng material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid full fees elsewhere for the course taken. These students are also required to pay in addition the hospital fees exacted in the year to which they are admitted.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for half session, and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. The fee for the Degree of Doctor of Medicine and Master of Surgery is $30.00, to be paid by the successful candidate to the University Bursar immediately after the final examination. When the degree is conferred in absentia, an additional fee of twenty dollars will be exacted, unless the candidate has been specially exempted by the Faculty.

10. The fee for the course in Public Health, including the laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

Summary of Fees.

Class fees		$200.00
First instalment, if paid before October 10th	$102.00	
Second instalment, if paid before February 1st	102.00	
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	10.00	10.00
	$224.00	$220.00
Graduation fee (in final year)		$ 30.00

THE UNDERGRADUATE COURSE.

For all students registering after October, 1919, the course of instruction will extend for six sessions of eight months each.

For the benefit of those men who by reason of military service were prevented from registering before this date, the Faculty continued the first year of the Five Years' Course during the Session 1919-20. There will be no first year of this course for 1920-21.

The necessity for a further modification of the course has become apparent. Experience has shown that the average student entering medicine is deficient in preliminary training, especially in the scientific branches. In order to meet this defect a standard of matriculation equivalent to two years academic training will be required.

The work of these two years, which may be taken at any recognized University, will include the three preliminary scientific branches of Biology, Chemistry and Physics, and in addition a certain amount of general educational training.

Beginning with the Session 1923-4 the Medical Course proper will be reduced to five years, the final year of which will be a purely hospital year and equivalent to giving each student before he graduates a year as hospital interne.

Full details as to the commencement of this new course, together with the curriculum, will be published in a later edition of the Calendar.

THE SIX YEARS' COURSE.

FIRST YEAR.

Biology:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Chemistry:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Physics:—Three hours' lectures and two two-hour laboratory periods throughout the session.

English:—A tutorial class in English expression and a lecture course comprising a study of some department of Scientific Literature.

SECOND YEAR.

Anatomy:—Gross Anatomy — One hundred and sixty-five

Histology and Embryology:—One hundred and twenty hours.

Physiology:—A course of sixty hours on general physiology and of ninety hours on human physiology.

Chemistry:—Organic Chemistry, forty-five hours, and Biological Chemistry, one hundred and twenty hours.

The Third Year will include courses in Anatomy, Histology and Embryology, Physiology, Physiological Chemistry, Bacteriology and Pharmacy.

THE FIVE YEARS' COURSE.

SECOND YEAR.

Anatomy.
Chemistry (Biological and Organic).
Physiology.
Histology.
Pharmacy.

THIRD YEAR.

Anatomy (Neurology).
Physiology.
Pathology (General).
Bacteriology.
Chemistry (Physiological and Clinical).
Parasitology.
Pharmacology.
Medicine (Clinical).
Surgery (Clinical).
Microscopy (Clinical).

In this year students visit the hospitals for the first time and receive instruction in small groups in the elements of clinical medicine and clinical surgery.

FOURTH YEAR.

Anatomy (Medical and Surgical).
Hygiene.
Medical Jurisprudence.
Pharmacology and Therapeutics.
Medicine and Clinical Medicine.
Surgery and Clinical Surgery.
Obstetrics.
Gynæcology.
Mental Diseases.
Ophthalmology.
Oto-Laryngology.
Pediatrics.
Pathology.

In this year two medical and two surgical theatre clinics are given weekly in the Montreal General and Royal Victoria hospitals. Out-patient clinics are given to groups of students twice weekly in gynæcology and once weekly in ophthalmology and oto-laryngology. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments. The work in hygiene consists of lectures, demonstrations and laboratory work.

FIFTH YEAR.

Medicine and Clinical Medicine.
Surgery and Clinical Surgery.
Obstetrics.
Gynæcology.
Ophthalmology.
Oto-Laryngology.
Pathology.
Dermatology.

In this year most of the students' time is spent in the hospitals. Theatre clinics are given twice weekly in each hospital in medicine and surgery. There are also daily ward classes to groups of students in these branches. In the out-patient departments of both hospitals clinics are given to groups of students in the various special branches of gynæcology, ophthalmology, oto-laryngology, dermatology, neurology, orthopædics, pediatrics and genito-urinary diseases. Clinics, ward classes and demonstrations in obstetrics are given in the Maternity Hospital. Students of the fourth and fifth years attend the Alexandra Hospital in groups for instruction in infectious diseases. The clinical instruction in mental diseases is given in the wards of the Protestant Hospital for the Insane at Verdun.

MEDALS, PRIZES AND FELLOWSHIPS.

1. **The Holmes Gold Medal,** founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

2. **The Sutherland Gold Medal,** founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the third year.

3. **The Wood Gold Medal,** founded by Casey A. Wood, M.D., is awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical branches of the final year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

1. **The Final Prize.**—A prize in books, awarded for the best examination, written and oral, in the final branches. The Holmes' medalist is not permitted to compete for this prize.

2. **The Fourth Year Prize.**—A prize in books, awarded for the best examination, written and oral, in all the branches of the fourth year course.

3. **The Joseph Hils Prize.**—(Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks for a special examination in materia medica and therapeutics.

4. **The Third Year Prize.**—A prize in books, awarded for the best examination, written and oral, in the branches of the third year.

5. **The Joseph Morley Drake, M.D., Prize.** (Founded by the late Joseph Morley Drake, M.D.)—A microscope, to be awarded to the student of the third year who obtains the highest number of marks for the examinations in pathology and bacteriology.

6. **The Second Year Prize.**—A prize in books for the best examination in all branches of the second year course.

7. **The First Year Prize.**—A prize in books for the best examination in all the branches of the first year course.

The A. A. Browne Memorial Fellowship:—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship:—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to coördinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship:—A studentship in pathology, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The John McCrae Scholarship:—A scholarship of $500 yearly, established in September, 1919, by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, to be devoted to the purposes of research work in the field of Medicine, Surgery or Pathology, or in the Biological or Chemical Sciences, provided the work done has a close bearing on clinical problems. Candidates may submit their applications not later than June 5th of each year.

The Walter J. Hoare Memorial Scholarship:—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation into the Medical Faculty of McGill University.

QUALIFICATIONS FOR THE DEGREE.*

1. No one will be admitted to the degree of Doctor of Medicine and Master of Surgery who shall not have attended lectures for a period of five eight-month sessions in this University, or some other university, college or school of medicine, approved by this University. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University shall be required to pass an examination in primary subjects, and all examinations in the final subjects in the same manner as students of this University.

2. Candidates for the final examination shall furnish testimonials of attendance on the following branches of medical education; provided, however, that testimonials equivalent to, though not precisely the same as those stated, may be presented and accepted:—

Biology, General Chemistry, Practical Chemistry, Physics, Histology, Embryology, Anatomy and Practical Anatomy, Physiology and Practical Physiology, Organic Chemistry, Biological Chemistry, Physiological Chemistry, Pharmacy, General Pathology, Bacteriology, Clinical Microscopy, Pharmacology, Therapeutics, Medical Jurisprudence, Hygiene and Public Health, Medical and Surgical Anatomy, Operative Surgery, Special Pathology, Morbid Anatomy, Clinical Chemistry, Principles and Practice of Surgery, Clinical Surgery, Theory and Practice of Medicine, Clinical Medicine, Obstetrics and Diseases of Infants, Gynæcology, Pediatrics, Mental Diseases, Ophthalmology, Oto-Laryngology.

He must also produce certificates of having assisted at six autopsies, of having dispensed medicine for a period of three months, of having assisted at twenty vaccinations, and of having, under the direction of a properly qualified anæsthetist, administered an anæsthetic at least six times.

Courses of less length than the above will only be received for the time over which they have extended.

3. No one will be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital, or of some other hospital of not fewer than 100 beds, approved by this University.

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* It should be understood that the programme and regulations regarding courses of study and examination contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole of a student's course, to the conditions here laid down.

5. He must give proof of having acted as clinical clerk for six months in medicine and six months in surgery in the wards of a general hospital recognized by the Faculty, and of having reported at least ten medical and ten surgical cases.

6. He must also give proof of having attended for at least nine months the practice of the Montreal Maternity or other lying-in-hospital approved by the University, and of having acted as assistant for at least twenty cases.

7. Every candidate for the degree must, on or before the 30th day of April, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty an affirmation or affidavit that he has attained the age of twenty-one years.

8. The examinations to be undergone by the candidate shall be in the subjects mentioned on pages 44 and 45.

9. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum salutem persevaturum; tum porro artem medicam caute, caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum; quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the first year subjects, the marks obtained being added to the total marks obtained at the final examinations.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass and 75 per cent. for honours.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than three subjects of the first or second year and in not more than two

subjects of the third and fourth years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Those who fail in more subjects than are above specified are not eligible for supplementary examinations.

Students who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

Students who fail at the examination held at Christmas may, at the discretion of the examiners, be granted supplemental examinations at a period not less than three months after the regular examinations.

A student who, after being registered in the first, second, third, or fourth years for three successive sessions, fails to qualify for advancement, or who, after being registered in the final year for three successive sessions, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Registrar at least three days before the date set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject.

MICROSCOPES.

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories, $^2/_3$, $^1/_6$ and $^1/_{12}$ oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's Office of the University for the sum of $95.00, as long as the supply lasts.

DOUBLE COURSES.

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years, of which the first two shall be taken in the Faculty of Arts, and the

remaining six in the Faculty of Medicine. The course in Arts is as follows:—

First Year.

English.
History.
Mathematics.
Latin *or* **Greek.**
Any two additional languages.

Second Year.

English Composition.
Latin.
Any three of the following:
Economics and Political Science and History.
English.
German.
Greek *or* **Latin.**
Philosophy.
Mathematics.

In the double course for the degrees of B.A., M.D., the degree of B.A. will be conferred on the completion of the above curriculum in Arts and of the second year in Medicine.

B.Sc., M.D.

This course in the physical and biological science is specially devised for students who might wish to proceed to a degree in Medicine or to advanced work in physiology, biological chemistry, pharmacology or allied subjects. Students intending to enter the Faculty of Medicine must pass the matriculation examination in Latin before admission to the third year of the B.Sc. course.

Graduates in this course are qualified to enter the third year in the Faculty of Medicine.

First Year.

English.
German.
Mathematics.
Physics.
Chemistry (as in first year Medicine).
French.

Second Year.

English Composition.
Physics.
Biology.
Chemistry (Quantitative and Qualitative Analysis).

Third Year.

Organic Chemistry (as in Third year Arts).
Comparative Anatomy of Vertebrates (as in fourth year Arts).
Physical Chemistry (as in third year Arts).

Fourth Year.

Physical Chemistry (as in fourth year Arts).
Anatomy (as in second year Medicine or Special Advanced Biology).
Biological Chemistry (as in second year Medicine).

Text-Books.

ANATOMY.—Cunningham, Gray, Morris, Quain (Eng. ed.), Piersol.

PRACTICAL ANATOMY.—Cunningham, Heisler, Rawling's Surface Markings, Parsons & Wright (2 vols.).

PHYSICS.—*Text-book*:—A. W. Duff.

Laboratory Manual.—A first year course in Physics, Renouf Pub. Co.

Reference.—Daniell's Medical Physics, Kimball's College Physics, Reed and Guthe.

GENERAL CHEMISTRY.—General Chemistry for Colleges (new edition), Alex. Smith.

ORGANIC CHEMISTRY.—Remsen.

BIOLOGICAL, PHYSIOLOGICAL AND CLINICAL CHEMISTRY.—Laboratory Courses, Ruttan and Harding; Practical Physiological Chemistry, Hawk's; Practical Organic and Biological Chemistry, Plimmer's.

Reference.—Physiological Chemistry, Mathews; Chemistry of Metabolism, von Fürth, trans. by Smith; Principles of General Physiology, W. M. Bayliss.

EMBRYOLOGY.—Bailey and Miller; Prentiss; McMurrich; Human Embryology and Morphology, Keith: Quain's Anatomy, Vol. I.

COMPARATIVE ANATOMY.—Bourne, Comparative Anatomy of Animals; Practical Anatomy of the Rabbit, B. A. Bensley.

PHYSIOLOGY.—Starling, Haliburton, Howell, Stewart, Burton-Opitz.

Reference.—Leathes, Starling (Lectures), Cannon, Hill (Recent Advances and Further Advances); Sherrington, Bayliss, MacLeod.

HISTOLOGY.—Bailey, Piersol, Jordan and Ferguson, Lewis-Stohr, Schafer's "Essentials."

PHARMACOLOGY.—Cushny, Bastedo, Sollman.

Reference.—United States Dispensary, Remington's Pharmacy.

PATHOLOGY.—Ziegler's General and Special Pathology, Delafield and Prudden, Well's Chemical Pathology, Beattie & Dixon, Coplin, McFarland, Adami's Principles of Pathology, Adami's Inflammation, Adami & McCrae's Students' Text-Book.

BACTERIOLOGY.—Hiss and Zinsser, Muir and Ritchie, McFarland, Jordan, Connell, Mallory and Wright's Pathological Technique.

PARASITOLOGY.—Manson, Tropical Diseases (London, 1914); Stephen and Christophers, The Practical Study of Malaria (London, 1908); Chalmers and Castellani, Manual of Tropical Medicine, 1913.

Works of Reference.—American Text-Book of Pathology, Well's Chemical Pathology, Cattell's Post Mortem Technique, Chester's Determinative Bacteriology, and Wilson on The Cell.

PRACTICE OF MEDICINE.—Osler, J. M. Anders, Hare, Forchheimer's Therapeutics.

CLINICAL MEDICINE.—Rainey and Hutchison, Musser's Medical Diagnosis, Simon, Klemperer, Vierordt's Medical Diagnosis, Sahli, Diagnostic Methods, Emmerson, Faught's Laboratory Diagnosis.

Reference.—Osler's Modern Medicine, Albutt and Rolleston's Systems of Medicine; Strumpell; Dieulafoy; Da Costa's Handbook of Medical Treatment.

HYGIENE.—Parkes and Kenwood, Notter and Firth, Harrington and Richardson, Roseneau, Bergey.

OPERATIVE SURGERY.—Binnie, Kocher, Burghard.

SURGERY.—Rose and Carless, Thomson and Miles, Keen's Surgery; Bryant and Buck, Mumford, Russell Howard; Ashurst.

EMERGENCY SURGERY.—Sluss.

SURGICAL ANATOMY.—Treves and Keith.

ORTHOPAEDIC SURGERY.—Bradford and Lovitt, Whitman, Albee, Fraser on Tuberculosis of Bones and Joints of Children, and Tubby and Jones on Surgery of Paralysis.

MEDICAL JURISPRUDENCE.—Glaister, Buchanan, Mann.

Reference.—Peterson and Haines, Taylor.

THERAPEUTICS.—Hare.

Reference.—Forchheimer's Therapeusis of Internal Diseases; Sajou's Internal Secretions and Principles of Medicine.

DISEASES OF CHILDREN.—Holt, Rachford, Koplik, Ruhrah, Chapin and Pisek.

NERVOUS DISEASES.—Church and Peterson, 8th ed. Atlas of the Nervous System and its Diseases, Jacob, Starr.

MENTAL DISEASES.—Insanity and its Treatment, Blandford, 4th ed., Church and Peterson, 8th ed. *Reference.*—Outlines of Psychiatry, W. A. White, 6th ed.

DERMATOLOGY.—Stellwagon, Walker's Introduction to Dermatology, Hartzele, Campbell, Shamberg, Sequira, Sutton.

OBSTETRICS.—Whitridge Williams, Webster, Jewett, Evans, De Lee, Berry Hart.

GYNAECOLOGY.—Hart and Barbour, Blair, Bell, Dudley Hurst, Gilliam.

OPHTHALMOLOGY.—Parsons, May, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY.—Politzer, Albert Gray, Bacon, St. Clair Thompson, Porter, H. Tilley.

MEDICAL DICTIONARY.—Gould, Dorland, Hoblyn. *Reference.*—Hand Book of the Medical Sciences; Dictionary of Medical Terms.

COURSES OF LECTURES.

ANATOMY.

PROFESSOR:—S. E. WHITNALL.
ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.
LECTURER IN HISTOLOGY:—W. M. FISK.
LECTURER IN EMBRYOLOGY:—F. SLATER JACKSON.
LECTURER:—A. O. FREEDMAN (on leave).

SENIOR DEMONSTRATORS:— H. E. MACDERMOT. A. D. CAMPBELL.

DEMONSTRATORS:— L. H. MCKIM. F. J. TEES. G. A. FLEET. H. BRUCE MALCOLM. T. C. WOLFF. A. ROSS.

Under the six-year curriculum the student begins the study of human anatomy in the second year of his course, and will continue it in the third, fourth and fifth years.

The work of the *second* year includes:

1. General embryology, comprising as much elementary comparative work as will enable the student to understand the essential points of human development, and a study of the early stages of the human embryo.

2. Gross anatomy and organogenesis, with the exception of the nervous system.

3. Histology and histogenesis of the tissues and organs other than those of the nervous system.

In the *third* year topographical anatomy and neurology (including histology and development) are taken up, whilst the *fourth* and *fifth* years are devoted to applied and clinical anatomy.

Throughout the whole course the practical aspect of the subject is kept to the fore. The dissecting room is open from 9 a.m. to 6 p.m., and in consequence of the excellent Anatomy Act of the Province of Quebec, an ample supply of fresh material is always available.

As in all the courses conducted by the Department of Anatomy a record of the work done is kept by graphic representation, students are advised to acquire some facility in drawing before entering upon their anatomical studies.

BIOLOGY.

The course in Biology for Medical students is conducted, conjointly, by the University Departments of Botany and Zoology. It consists of three parts:—

Part I.

PROFESSOR OF BOTANY:—F. E. LLOYD.
LECTURER IN BIOLOGY:—GEORGE SCARTH.

This part of the course deals with the rationale and simple technique of microscopic vision, including both light and dark field illumination (ultramicroscope). Twelve lectures and twelve laboratory periods (three of each per week during the first month of the session).

Part II.

PROFESSOR OF ZOOLOGY:—ARTHUR WILLEY.
ASSISTANT PROFESSOR:—J. STAFFORD.

The course in Zoology introduces the student to the principles of animal organization where diversity of structure is associated with community of function. The continuity of essential vital activities renders it possible to derive information from the life of the lower organisms which can throw light upon the solution of medical problems. The leading grades of organization are studied by means of selected types, in order to bring out the parallelism existing between the steps of comparative anatomy and the stages of individual development. The one-celled animacules, where there is no distinction between tissue and germ-cell, are compared with many-celled animals in regard to differentiation, reproduction and cell-division. The conditions of animal life, as determined by temperature, light, food, enemies and parasites, are outlined and the relation between host and parasite is defined.

The anatomy of vertebrates is approached by the dissection of the lancelet, the dogfish, the frog and the rabbit. The lancelet is instructive because of the persistence of the primitive axial skeleton, simple tubular liver, and ciliary ingestion of food. The remaining vertebrates resemble each other closely in their digestive and excretory mechanisms, but differ widely in their respiratory and neuro-muscular systems. The differences are explained in part as being due to adaptive growth which causes modification of structure in response to functional requirements.

Part III.

This part of the course is a continuation of Part I. It consists of laboratory training in elementary general biology, dealing more especially with those aspects of the field best illustrated by plants; and of lectures based upon the laboratory experience.

Lectures, three per week and laboratory periods; two (each of three hours) per week from the close of Part II of the course to the end of the session.

MEDICAL CHEMISTRY.

PROFESSOR OF ORGANIC AND BIOLOGICAL CHEMISTRY:—R. F. RUTTAN.
ASSISTANT PROFESSOR OF BIOLOGICAL CHEMISTRY:—GEO. ERIC SIMPSON.

DEMONSTRATORS OF GENERAL CHEMISTRY:—
- W. McG. MITCHELL.
- J. F. LOGAN.
- C. H. WRIGHT.
- C. M. FOWLER.

DEMONSTRATORS OF CLINICAL CHEMISTRY:—
- A. H. MACCORDICK.
- H. P. WRIGHT.

Instruction in chemistry for students in Medicine is given during a portion of each of the first three years.

First Year: During the first year the principles governing chemical action are studied in a systematic laboratory course. A printed synopsis of the work of each day is provided and necessary explanations given before beginning the work. The course includes a study of chemical phenomena; the preparation and properties of typical elements and compounds; the laws of chemical action; gravimetric and volumetric determinations, and a short course in qualitative analysis. The student is required to pay special attention to the keeping of an accurate record of his observations and calculations.

Note books for this purpose are provided and are examined and criticized by the demonstrators. Three test examinations are held during the session.

During the first year a course of experimental lectures in *General Chemistry* is given; three per week, with frequent reviews and examinations. This course is designed to familiarize the student with the characteristics of chemical action and the conditions which modify it, rather than a detailed study of the preparation and properties of the elements and their compounds. The application of chemistry to physiology and pathology is made especially prominent. An examination in general chemistry is held at the end of the session.

Second Year: A course of three lectures per week on *Organic and Biological Chemistry* is given during the whole session. In this course the facts and theories of organic and physical chemistry, which have an essential bearing upon medical science, are first presented in the simplest form. This is followed by a more detailed study of those organic compounds and reactions which pertain to the phenomena of life. During the winter term a course of laboratory work in organic and biological chemistry, two periods per week, is given. In this course the student will study practically the chemistry of the more important organic substances which are found in the tissues, together with the chemical and physical conditions which influence their production. This course is intended to lead up to and partly include the subject matter of the usual courses in physiological and pathological chemistry.

The course includes a study of the carbon, nitrogen and energy cycles in nature; enzymes and catalysis; esterification, fats and lipoids; carbohydrates, amino acids, colloids, proteins, protein toxins, nuclein and purin bodies, urea, creatinin, indol, etc., together with the application of elementary physical chemistry to the problems of physiological chemistry.

Third Year: A course on *The Chemistry of Human Physiology* of two laboratory periods and one lecture per week is given throughout the autumn term. This course is designed to familiarize the student with the proximate constituents of typical foods, and the action on them of the digestive enzymes. This is followed by a study of normal urine and fæces, and the chemistry of muscle, blood, bile, etc. The aim of the course is to give the student a sound theoretical and experimental knowledge of the normal human metabolism. This course is followed by a laboratory course of about six weeks in *Clinical Chemistry* at the beginning of the second term. In this course the student is made familiar with the more convenient and practical methods for the chemical and physical examination of urine, fæces, blood, stomach contents, etc., as a preliminary to their application to the chemical diagnosis of cases.

An *Advanced Optional Laboratory Course* in clinical and biological chemistry is offered during the winter term to those students whose preliminary training in chemistry and standing in the pass course show they are able to profit by it. This course includes the more recent exact methods of determination of creatinin, ammonia, acetone; the partition of nitrogen in urine in health and disease, estimation of urea, sugar, chlorides, and uric acid in blood, etc. This course must be taken by all candidates for the Sutherland medal.

Students will find it greatly to their advantage to have a practical knowledge of elementary chemistry before entering upon the study of

Medicine. Graduates in Arts of recognized universities, on presenting certificates of having taken courses in theoretical and practical chemistry, and of having passed examinations in the same, may be exempted from the chemistry of the first year.

MEDICAL PHYSICS.

PROFESSOR OF PHYSICS:—A. S. EVE.*

ASSISTANT PROFESSOR:—H. E. REILLEY.

DEMONSTRATORS:— VIOLET HENRY. R. J. CLARK. R. A. SMITH. L. H. NICHOLLS.

First Year: This course is given in the Physics Building of the University. It consists of four lectures and a laboratory period of two hours per week throughout the first half of the session, and two lectures and a laboratory period of two hours per week during the last half.

The lectures are experimental in character, especially designed to meet the requirements of students in Medicine. The course includes a study of energy, simple machines, properties of matter, fluid pressures, fluid motion, capillary phenomena; production, transmission and interpretation of sound; temperature and temperature measurements, gas laws and kinetic theory, heat capacity, latent heats, laws of vaporization, humidity measurements, heat conduction; elements of magnetism, laws of electrostatics, electrostatic induction and condensers; primary batteries, Ohm's law and its applications, measurements of resistance and electromotive force, measuring instruments, magnetic effects of a current, induced currents, induction coil, conduction through gases, properties of cathode rays and X-rays; radioactive substances and their radiations; laws of reflection and refraction of light, mirrors, lenses and lens combinations, microscopes, telescopes, spectra, spectrum analysis, colour, interference, crystallography, polarized light and saccharimetry.

In the laboratory the student learns the use of such instruments as the balance, vernier, spherometer, hydrometer, hygrometer, spectroscope, saccharimeter, electroscope. Verifications are made of Archimedes' principle, Boyle's law, laws of reflection and refraction, Ohm's law, etc. Measurements are taken of specific gravities, frequencies, specific heats, latent heats, electrical resistances, focal lengths, besides qualitative experiments illustrating the more important physical principles.

PHYSIOLOGY.

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.
LECTURER:—N. B. EDDY.
ASSISTANTS:—E. LOZINSKY. L. NOTKIN.

The purpose of this course is to make the student thoroughly acquainted, so far as time permits, with modern physiology, both from a scientific and practical standpoint—its methods, its deductions, and the basis on which the latter rest.

GENERAL PHYSIOLOGY.

A course in general physiology by Professor F. E. Lloyd on the structure, properties and behaviour of protoplasm.

Sixty hours during the first semester, for the students of the second year.

Reference Books:—Verworn: General Physiology (translation by Lee); Bayliss: Principles of General Physiology; Bechhold: Colloids in Biology and Medicine (translation by Bullowa); McClendon: Physical Chemistry of Vital Phenomena.

HUMAN PHYSIOLOGY.

This course comprises, demonstrations and laboratory work.

Lectures.—These extend over two years and are illustrated by diagrams and lantern demonstrations.

Laboratory Work.—(a) Juniors. Second year students work for the most part in pairs for one period of three hours per week throughout the year. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous system. Frog material is largely used for the latter part of this course. Class-book: Schafer's "Experimental Physiology."

(b) Seniors. Third year students, working in pairs or in larger groups, attend for one period of three hours per week throughout the year. The course includes mammalian operative work as well as observations on the human subject with clinical and other apparatus. Class-book: Sherrington's "Mammalian Physiology."

Demonstrations.—Special demonstrations are given from time to time on such subjects as cannot be dealt with by individual groups of the practical class, and also on whatever research work is being carried out in the Department.

Research Work.—Special arrangements are made for post-graduate work in physiology and for courses leading to the degrees of M.Sc. and D.Sc. For particulars apply to the Professor.

2. CHEMICAL PHYSIOLOGY (see under Chemistry).

PATHOLOGY AND BACTERIOLOGY.

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.
ASSOCIATE PROFESSOR OF PARASITOLOGY:—J. L. TODD.
ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.
LECTURER:—M. E. ABBOTT.
SENIOR DEMONSTRATOR OF PATHOLOGY:—C. T. CROWDY.
DEMONSTRATOR OF PATHOLOGY:—J. W. SCOTT.
ASSISTANT DEMONSTRATORS OF PATHOLOGY AND ASSISTANT CURATORS OF THE PATHOLOGICAL MUSEUM:—
H. N. SEGALL.
W. W. BEATTIE.
DOUGLAS FELLOW IN PATHOLOGY:—LOUIS GROSS.

Pathology.

1. General pathology and pathological anatomy: lectures and experimental demonstrations twice weekly throughout the winter (Third Year). Professor Oertel.

2. Laboratory course in general pathological anatomy and histology, two hours twice weekly, winter term (Third Year). Professor Oertel, Demonstrators and Assistant Demonstrators.

3. Special pathology and pathological anatomy: lectures on the diseases of the more important systems and organs, followed by demonstrations, two hours once weekly, throughout the session (Fourth Year). Professor Oertel, and Demonstrators.

4. Applied Pathology: Demonstration and discussion of anatomical and bacteriological material in relation to clinical medicine (Fourth and Fifth Years). Prof. Rhea.

5. Demonstrations upon fresh autopsy material, once weekly (Fourth Year, in groups). Prof Rhea, Dr. Crowdy and Dr. Scott.

6. Performance of autopsies (Fifth Year, in groups). Professor Oertel, Prof. Rhea, Dr. Crowdy, Dr. Scott and Demonstrators.

7. Clinical pathological conferences at the Royal Victoria and Montreal General Hospitals, once weekly (Fifth Year). Clinical and Pathological Staffs.

8. Museum demonstrations (Fifth Year, in groups). Dr. Abbott and Dr. Crowdy.

9. Pathological research (open to graduates) by appointment. Professor Oertel and Professor Rhea.

Bacteriology.

1. Bacteria and higher parasites in relation to disease. Lectures and demonstrations, including the elements of immunology; twice weekly in autumn term (Third Year). Professor Oertel.

2. Laboratory course in bacteriology, autumn term (Third Year). Prof. Bruère, Demonstrators and Assistant Demonstrators.

3. Bacteriological and immunological research (open to graduates). Professor Oertel and Prof. Bruère, by appointment.

Parasitology.

PROFESSOR TODD.

The main feature of this course is a series of twenty lectures and demonstrations, illustrated by lantern slides, and by specimens both gross and microscopical. Demonstrations of the special methods used in the study of animal parasites are given in the laboratory.

PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR:—A. D. BLACKADER.
ASSISTANT PROFESSOR OF PHARMACOLOGY:—J. W. SCANE.
LECTURER IN PHARMACOLOGY:—J. L. D. MASON.
DEMONSTRATOR OF CLINICAL THERAPEUTICS:—D. S. LEWIS.
DEMONSTRATOR OF PHARMACOLOGY:—WESLEY BOURNE.

The lectures on this subject are graded in the following manner:—For students of the second year there is a course in practical materia medica and pharmacy, with demonstrations and exercises in the laboratory. Prescription writing and the various modes of administering drugs are explained and illustrated.

The course in pharmacology is given in the third year and consists of a systematic course of lectures on the physiological action of drugs, with demonstrations, and practical laboratory work, during which the student is given the opportunity of studying by experiment the action of the more important drugs.

In the fourth year a systematic course is given on the principles of therapeutics and on the practical employment of drugs and remedial agents in the treatment of disease. In the fifth year, special attention is given to the subject of practical therapeutics in the ward classes by the attending physicians in both the Montreal General and Royal Victoria hospitals.

In connection with this department a short course of didactic lectures will be given to students of the fourth year on the therapeutic values of massage, of physical exercise, including remedial gymnastics and mechano-therapy, of hydro-therapy, of electro-therapy and of photo-therapy; students of the fifth year will be given practical instruction in these subjects by Dr. Harvey, and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

The Eddie Morrice Laboratory, comprising pharmacological and chemical research rooms, has, through the liberality of the late Mr. Morrice, been fully equipped with all necessary apparatus for carrying on extended research work.

HYGIENE.

STRATHCONA PROFESSOR:—T. A. STARKEY.

LECTURERS:— { R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

The practical part includes a number of visits to various places of hygienic importance. The student is thereby brought in close contact with the various conditions which he is liable to meet during his later career.

The Museum is fully equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles. See description of Museum, page 76.

In addition to the above, lantern demonstrations of the various topics which have been previously discussed in the lectures are frequently given.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters and with every facility for the prosecution of research work.

MEDICAL JURISPRUDENCE.

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Practical demonstrations are given once a fortnight.

MEDICINE AND CLINICAL MEDICINE.

PROFESSORS :— F. G. FINLEY. H. A. LAFLEUR. C. F. MARTIN.

ASSOCIATE PROFESSOR :—W. F. HAMILTON.

LECTURERS :— A. H. GORDON. C. A. PETERS. H. B. CUSHING. A. A. ROBERTSON. J. KAUFMAN. E. H. MASON.

DEMONSTRATORS :— C. F. WYLDE. J. G. BROWNE. D. W. MCKECHNIE. C. F. MOFFATT. R. H. M. HARDISTY. D. G. CAMPBELL. A. H. MACCORDICK. E. E. ROBBINS. C. C. BIRCHARD. D. MACCALLUM. D. S. LEWIS.

ASSISTANT DEMONSTRATORS :— C. R. BOURNE. D. L. MENDEL. A. T. HENDERSON.

Instruction in medicine and clinical medicine is conducted in the theatres, wards, out-patient rooms and laboratories of the Royal Victoria and Montreal General hospitals. It extends throughout the third, fourth and fifth years. In the third year, demonstrations are given to groups of students in the methods of examination, and in normal and abnormal physical signs, in the wards and out-patient departments of the hospitals. This is supplemented by courses in clinical chemistry and microscopy at the College.

In the fourth year, clinical instruction is given in the theatres and out-door departments or wards of the hospitals, as well as in the clinical laboratories.

The fifth year is devoted exclusively to hospital work. Each student is required to personally conduct and record the routine examination of patients assigned to him in the wards of the hospitals. He is also required to carry out the necessary laboratory work in connection with his clinical duties wherever this work may call him. Regular attendance at autopsies is obligatory.

Instruction in the theatres is given on two days of the week. Bedside classes in case reporting and diagnosis are held, as well as a daily ward visit. In addition, clinico-pathological conferences are held each week.

The out-door department of each hospital has a large neurological clinic, which is utilized for instruction in diagnosis and treatment.

Special clinics are also devoted to the diseases of children, and groups of students attend in rotation.

Infectious diseases are demonstrated to groups of students in the fourth and fifth years, the large number of cases under treatment at the Alexandra Hospital being available for this purpose.

Applied Immunology. Dr. Fraser Gurd and Associates.

The purpose of this course is to co-ordinate the work in Pathology and Bacteriology (as given in the third year) with the clinical manifestations of diseases due to bacteria, to demonstrate the means at the disposal of the body for the prevention and cure of infection, and the clinical procedures, including the employment of vaccines and sera, which are of value in prophylaxis and treatment.

Fourth Year (Autumn Term).—A course of didactic lectures (with demonstrations).

Fifth Year.—A course of six clinical demonstrations to groups.

Clinical Microscopy.

This course, which is given during the winter term of the third year, is essentially a practical one and is in charge of the professors and teachers connected with the department of Clinical Medicine.

It is a laboratory course, forming part of the third year instruction in Medicine, and is held in the pathological laboratory of the Medical Building. The classes are held twice weekly, each demonstration lasting two hours.

Students are given instruction in the microscopic appearance of the normal and abnormal sediments in the urine, in the preparation and staining of films from pus and sputum for pathogenic bacteria, in the methods of examination of the blood, including the use of hæmoglobinometer, hæmocytometer, microspectroscope, the determination of the specific gravity, agglutination tests, the examinatoin of fresh films, the preparation of stained blood films and the method of making differential leucocyte counts. The instruction also comprises the microscopic examination of stomach contents and fæces, for the recognition of abnormal cellular elements, fat, blood, bacteria and animal parasites; the examination of exudates and other pathological fluids obtained by puncture, and also the examination of hairs for the parasites of ring-worm and favus.

In addition to this, the student is given an opportunity of examining the various bacteria of importance in clinical medicine and surgery.

Various specimens of special interest, which are found in the hospitals from time to time, are examined as occasion arises at the demonstrations.

Department of Neurology.

LECTURERS :— { D. A. SHIRRES. / C. K. RUSSEL.

DEMONSTRATORS :— { N. VINER. / F. H. MACKAY.

A course on Applied Anatomy of the nervous system is given in the earlier years of study.

Lectures and clinical demonstrations on neurology are given in the fourth and fifth years of the Course in the wards and theatre.

In the fifth year groups of students are taken into the wards and out-door departments of the General Hospitals.

A series of demonstrations on neuro-pathology is given in the laboratory.

Department of Psychiatry.

PROFESSOR :—T. J. W. BURGESS.

LECTURERS :— { C. A. PORTEOUS. / G. MUNDIE.

DEMONSTRATORS :— { H. A. SIMS. / A. G. MORPHY.

Psychology. Professor William Tait (Faculty of Arts.)

A short course of lectures is given on General and Abnormal Psychology with special reference to the latter. Discussion will include the principles underlying Psychotherapy, the main features of Psychopathology, relation of abnormal to normal mental life, mental hygiene. mental deficiency and intelligence tests and some reference to the Psychology of Insanity.

Psychiatry.

The course in psychiatry comprises a series of lectures at the University, with demonstrations at the Protestant Hospital for the Insane, Verdun, and at the general hospitals. Clinical instruction is given to groups of senior students, who are required to examine a number of cases, making written reports thereon, followed by discussion.

In the outdoor departments of the hospitals where a psychiatric clinic is held once a week, the students are taught the various methods of testing psychopathic cases, and making detailed diagnoses.

Text-books:—"Clinical Psychiatry," Kraeplin. "Clinical Psychiatry," Diefendorf. "Psychiatric Neurological Examination Methods," Wimmes Hoisholt.

Department of Pediatrics.

PROFESSOR:—A. D. BLACKADER.

LECTURERS:— G. G. CAMPBELL. F. M. FRY.

DEMONSTRATORS:— C. F. WYLDE. W. E. ENRIGHT. L. LINDSAY.

ASSISTANT DEMONSTRATORS:— H. P. WRIGHT. A. GOLDBLOOM.

A didatic course on the diseases of infancy and childhood, including the feeding of infants, is given during the session to students of the fourth year. Clinical and didactic lectures are given on diseases of the new-born at the Montreal Maternity Hospital. In the Montreal General and Royal Victoria hospitals weekly clinical lectures and ward demonstrations on diseases of childhood will be given to students of the fifth year, and groups of students in rotation will be assigned work in connection with the out-patient children's departments of both hospitals. The new Foundling and Baby Hospital, which has recently been opened, with a capacity of 100 beds, will be utilized during the session for a series of demonstrations in infant feeding.

A voluntary course is given during the summer months, at the Children's Memorial Hospital, to a selected number of students who have successfully passed their Fourth Year.

Department of Dermatology.

LECTURERS:— W. P. BURNETT. G. G. CAMPBELL.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

History of Medicine.

PROFESSOR:—ANDREW MACPHAIL.

A course of twelve lectures will be given upon the history of medicine to all undergraduates in the Faculty who desire to inform themselves upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY AND CLINICAL SURGERY.

PROFESSORS:— GEORGE E. ARMSTRONG. J. ALEX. HUTCHISON.

ASSISTANT PROFESSORS:— A. E. GARROW. E. W. ARCHIBALD. A. T. BAZIN.

LECTURERS IN CLINICAL SURGERY:— W. L. BARLOW. C. B. KEENAN. E. M. EBERTS.

LECTURERS ON ANAESTHESIA:— W. B. HOWELL. W. G. HEPBURN.

DEMONSTRATORS OF CLINICAL SURGERY:— A. R. PENNOYER. W. H. P. HILL. C. K. P. HENRY. F. MCKENTY. F. A. C. SCRIMGER. F. J. TEES. F. B. GURD.

ASSISTANT DEMONSTRATORS OF CLINICAL SURGERY:— W. H. SMYTH. GUY JOHNSTON. E. C. LEVINE.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria hospitals there are between five and six hundred beds and also large out-patient departments.

During the third year students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their anatomy, to dress wounds, arrange and apply splints and to

reduce the simpler fractures and dislocations. This is a valuable training as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In their fourth year students attend surgical clinics in the amphitheatre of the hospitals three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professional rank teaches them in the wards and instructs them in groups.

The fifth is the purely hospital year. There are three amphitheatre clinics in the hospitals, weekly. Group teaching is carried out in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found to obtain.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics and practical instruction in the administration of anæsthetics is given in the hospital to students of the fourth and fifth years.

Department of Urology.

CLINICAL PROFESSORS :— { F. S. PATCH. / D. W. MACKENZIE.

DEMONSTRATORS :— { R. E. POWELL. / M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of diseases of the urinary and male genital organs.

During the first half of the fourth year they receive a course of fifteen lectures on nomenclature in the University and in the hospitals fifteen clinics demonstrating typical cases.

During the fifth year they receive clinical instruction on groups of cases presented for differential diagnosis and students are encouraged to discuss these cases and outline the treatment indicated.

During the year the class is divided into small groups for instruction in the outpatient department of the Royal Victoria and Montreal General Hospitals.

Students are also assigned clerkships in the wards and cases allotted to them for study. They are required to follow these cases to completion, as they do in the wards devoted to general surgery. Opportunity is thus afforded for the complete study of a considerable number of cases in the urological wards.

Text-book:—Keyes.

Collateral Reading:—Thompson, Walker, White, Mark.

Department of Orthopaedic Surgery.

CLINICAL PROFESSORS:— W. G. TURNER. A. MACK. FORBES.

DEMONSTRATORS:— J. A. NUTTER. W. J. PATTERSON.

Instruction in Diseases and Injuries of the Bones, Joints, Muscles, and the Surgery of Deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of eight to ten men in the two larger hospitals.

Each student attends clinics in Orthopædic Surgery at both the Royal Victoria and the General Hospitals for four to five consecutive weeks.

The demonstrations given are essentially practical, every student being expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

Arrangements are being made for students to attend the Children's Memorial Hospital where there is a large Orthopædic Service.

OBSTETRICS.

PROFESSOR OF OBSTETRICS AND GYNAECOLOGY:—W. W. CHIPMAN.
ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:— J. R. GOODALL. H. C. BURGESS. H. R. D. GRAY. J. W. DUNCAN.

DEMONSTRATOR:—J. R. FRASER.

This course will embrace: (1) Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete sets of models illustrating the deformities of the pelvis, wax preparations, bronze mechanical

pelvis, etc.; (2) bedside instruction in the Montreal Maternity, including external palpation, pelvimetry, the management and after-treatment of cases; (3) a complete course on obstetric operations with the Tarnier-Budin phantom; (4) the diseases of infancy; (5) a course of individual clinical instruction at the Montreal Maternity Hospital.

The course is carefully graded and instruction will be given separately to students of the fourth and fifth years.

Particular attention is given to clinical instruction, and a clinical examination similar to that held in medicine and surgery forms an important part of the final examination.

A few lectures will be given on diseases of the new-born, supplemented by clinical demonstration and ward work. The lectures and demonstrators will give special courses from time to time in the college and in the hospitals, and will take the students in groups for the purpose of demonstration, examination and review.

In the fourth year will be given the regular course of didactic lectures.

The fifth year will be devoted mainly to practical and clinical work in the wards of the Montreal Maternity and in its externe service. Palpation on the living subject, theatre clinics, ward clinics, and individual instruction in the management of labour and the care of the puerperal patients will be the chief features of the course.

GYNÆCOLOGY.

PROFESSOR OF OBSTETRICS AND GYNAECOLOGY:—W. W. CHIPMAN.
ASSISTANT PROFESSOR OF GYNAECOLOGY:—F. A. L. LOCKHART.

LECTURERS:— DAVID PATRICK.
H. M. LITTLE.
H. C. BURGESS.
J. R. FRASER.

The didactic course consists of about twenty-five lectures given twice weekly during the autumn session. The anatomy and physiology of the organs and parts concerned are first discussed. Then the various methods of examination are fully described, the necessary instruments exhibited, and their uses explained. The lectures are illustrated as fully as possible by drawings, morbid specimens and lantern slides.

Clinical teaching, including out-patient and bedside instruction, is given at both the Royal Victoria and Montreal General hospitals by Professors Chipman and Lockhart, assisted by Drs. Patrick, Little and Burgess. A large amount of clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class and made the subjects of remarks. In addition to the ward-patients, each hospital conducts a

large out-patient gynæcological clinic, to which advanced students are admitted in rotation, and instructed in digital and bi-manual examination and in the use of instruments for diagnosis.

Particular attention is thus given to clinical instruction, and a clinical examination in gynæcology, similar to that held in medicine and surgery, forms part of the final examination.

OPHTHALMOLOGY.

Professor:—J. W. Stirling.

Clinical Professors:— W. G. M. Byers. G. H. Mathewson.

Lecturers:— F. T. Tooke. S. H. McKee.

Demonstrators:— A. G. McAuley. J. MacMillen.

Assistant Demonstrators:— J. Rosenbaum. A. Bramley-Moore.

In the fourth year there is a didactic course of about ten lectures delivered at the University. The more unusual diseases of the eye are fully described, while the commoner diseases are merely touched on, the fuller consideration of the latter being reserved for the clinical lectures to be delivered in the fifth year. In addition, in the fourth year there is instruction in the anatomy of the eye, the methods of examination, and the use of the ophthalmoscope and the elements of refraction.

In the fifth year there is a regular bi-weekly course of clinical lectures at the Royal Victoria and Montreal General hospitals.

The operative work in eye surgery is fully open to undergraduates on the day set apart for the purpose.

OTO-LARYNGOLOGY.

Professor:—H. S. Birkett.

Lecturers:— H. D. Hamilton. R. H. Craig.

Demonstrators:— Hamilton White. J. T. Rogers.

Assistant Demonstrators:— D. H. Ballon. R. P. Wright. G. E. Hodge.

The course of instruction in oto-laryngology is carried on in the out-patients' department of both the Royal Victoria and the Montreal General hospitals, where, owing to the large clinics, the students are

afforded ample opportunity of receiving a thorough instruction in these subjects. The course is carried on in both the fourth and fifth years. In the fourth year, in addition to a short course of didactic lectures, the students receive instruction in: (a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

In the fifth year the students have presented to them only pathological conditions affecting these organs. As many cases as is possible are brought forward to illustrate the various diseases, and the clinical material thus presented is dealt with by a clinical lecture, and is further enlarged by gross pathological specimens, microscopical material and lantern slides. Eight to ten didactic lectures are also given.

In this year the student also receives instruction as to the care of the deaf mute, the subject being dealt with by a lecture and practical illustration of the methods of educating these unfortunate children in the Mackay Institution for Deaf Mutes.

The courses are conducted in small classes, so that personal supervision is accorded to each student. The clinics are held twice a week in each hospital, and continued throughout each session. An examination at the end of the fourth year will be only clinical, but that at the end of the fifth year will be both written and clinical. Two positions as resident house-surgeon in the department of oto-laryngology in the Royal Victoria Hospital are open to the members of the graduating class.

GRADUATE AND ADVANCED COURSES.

Owing to the departure of many of its post-graduate teachers for service in the war, the Faculty was compelled to omit the regular post-graduate course. It is expected that this will be resumed during the summer of 1921. A prospectus will be issued, which may be obtained on application to the Registrar.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical Departments of both the Royal Victoria and Montreal General hospitals, and in connection with the college laboratories for physiology, chemistry, pathology and pharmacology.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving notice, stating the course desired and the time at their disposal.

All the regular clinics and demonstrations of both hospitals will be open to such students on the same conditions as to undergraduates in Medicine of this University.

Further details regarding courses, fees, etc., may be obtained on application to the Registrar of the Medical Faculty.

I. DIPLOMA COURSE IN PUBLIC HEALTH.

Candidates undertaking this course must have possessed a degree in medicine, or other qualifications for practice, for at least twelve months before he is competent to receive the diploma. The courses prescribed are as follows:—

1. A course of lectures dealing with the General Principles of Hygiene, Preventive Medicine and Sanitation.

2. Bacteriology—a full practical course in General Bacteriology, special attention being given to Pathogenic organisms and Parasites, General principles of Bacteriological Analysis, especially in relation to Public Health matters.

3. Sanitary Chemistry:—(a) Examination of air and air vitiated by respiration, products of combustion, factory and other trade conditions; water and water supplies in general, detection of poisons associated with water supplies; all the common kinds of foods and beverages; sewage and sewage effluents; articles of dress, house decorations, etc.; chemical investigations connected with certain trades and occupations.

(b) *Physics*:—Principles of statics, pneumatics, hydraulics, light and photometry, heat and thermometry and the principles of hygrometry, only in their application to hygiene.

4. An extended course of practical out-door Sanitary work, under a Medical Officer of Health, or other Authority affording facilities for such instruction.

5. *Sanitary Legislation*:—Statutes and by-laws relating to public health; the powers of public Sanitary authorities.

6. *Vital Statistics*:—Calculation and tabulation of returns of births, marriages, deaths and diseases.

7. Meteorology and climatology, including the geographical and topographical distribution of diseases. Candidates for this Diploma may claim exemption from attendance in any of the subjects outlined in the scheme of studies on presentation of proof that they have received already equivalent instruction in such subjects.

Except in special instances where exemptions may have been granted, the length of the course is eight months—from the beginning of October to the end of May.

The examination for the Diploma shall cover the following subjects:—Examination of clinical cases at an infectious hospital; the drawing up of outlines for annual and other reports of officers of

health; a report upon the sanitary condition of some actual locality; demonstration of the consideration and use of meteorological hygienic and sanitary apparatus; microscopical examination of specimens submitted; description of specimens of human and other diseased tissues; the inspection of carcasses of animals to be used for food. Chemical and Bacteriological examinations, the scope of which is indicated in the paragraphs relating to instructions on these headings.

The above examination shall be written, oral and practical and shall extend over a period of four or five days.

The fee for the course and the Diploma will be $100.00.

2. COURSES FOR CIVIL ENGINEERS.

This course is given to meet the requirements of engineers, particularly those making a specialty of sanitary engineering. The object of the instruction is to elucidate the public health principles involved in engineering problems, *e.g.*, ventilation, water supplies, sewage disposal, and drainage systems.

3. COURSE FOR ARCHITECTS.

Special instruction is given in those branches of public health relating to architectural work, *e.g.*, lighting and heating, ventilation, sanitary fixtures, draining and plumbing.

4. COURSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

Hygiene or some particular branch of it, may be taken out as a minor subject in the final examination for the Ph.D. degree. Special arrangements are made to suit the student in order that the work done in this department shall be a supplement to his major subject taken out in Applied Science.

CLINICAL INSTRUCTION.

In the third year instruction is given to groups in the methods of physical diagnosis and in minor surgery.

During the fourth year two medical and two surgical theatre clinics are given weekly in the Montreal General and Royal Victoria hospitals. Out-patient clinics are given to groups of students twice weekly in gynæcology and once weekly in ophthalmology and oto-laryngology. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments.

In the Alexandra Hospital for Contagious Diseases, students of the fourth and fifth years receive bedside instruction in groups.

The fifth year is devoted almost exclusively to clinical work. There are two clinics weekly in medicine, two in surgery, two in

obstetrics and two in gynæcology, these being supplemented by group teaching in the wards and by instruction in the clinical laboratories. In addition, groups receive instruction in ophthalmology, oto-laryngology, pediatrics, dermatology, gynæcology, neurology and genito-urinary surgery in the out-patient departments of both hospitals. At the Montreal Maternity four ward classes weekly in obstetrics are given.

Clinical Clerks in the medical and surgical wards of both hospitals are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted to him. Students are required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery, and are required to have reported at least ten cases in medicine and ten in surgery. The instruction obtained as clinical clerk is found to be of the greatest possible advantage to students, as affording a true *practical* training for his future professional life.

Dressers are also appointed to the out-door departments. For these appointments, application is to be made to the assistant surgeons, or to the resident surgeon in charge of the out-door department.

The large number of patients affected with diseases of the eye and of the ear, nose and throat, now attending the special clinics at both hospitals, afford ample opportunity to students to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the various instruments used in examining them, and it is hoped that every student will thus seek to gain a practical knowledge of these important branches of medicine and surgery. Operations are performed on the eye and on the ear and nose and throat after the out-door patients have been seen, and students are invited to attend the same, and as far as practicable to keep such cases under observation so long as they remain in the hospital.

There are also special departments in both hospitals for gynæcology, pediatrics, neurology, orthopædics, dermatology and genito-urinary diseases, directed by specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology, which has met with marked success, has been the limitation of the number of students attending each clinic to three.

Clinical instruction is given in the wards of the Protestant Hospital for the Insane at Verdun.

The clinical teaching in infectious diseases is given in the wards of the Alexandra Hospital for Contagious Diseases.

HOSPITALS.

The City of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which medical students of McGill University receive clinical instruction are: (1) The Montreal General Hospital; (2) The Royal Victoria Hospital; (3) The Montreal Maternity Hospital; (4) The Alexandra Hospital for Contagious Diseases; (5) The Protestant Hospital for the Insane.

MUSEUMS.

The Faculty has during recent years devoted special attention to the development of its museums in the several departments in which objective teaching is of special value in the education of the student.

Through the benefaction of the late Lord Strathcona, a splendid new Museum has been erected which is undoubtedly the finest structure of its kind in America. The Museum projects from the northwestern side of the new Medical Building, of which it forms a central feature, and faces the Royal Victoria Hospital. It is in the form of a rectangular cross and is in three stories, of which the upper contains the anatomical collections, while the two lower floors are devoted to the Museum of Pathology.

PATHOLOGICAL SECTION.

DIRECTOR:—PROFESSOR H. OERTEL.
CURATOR:—MAUDE E. ABBOTT.
ASSISTANT CURATORS:— W. W. BEATTIE. H. N. SEGALL.
OSTEOLOGIST AND PREPARATOR:—E. L. JUDAH.

The pathological Museum of the University consists to date of 3,225 catalogued and mounted specimens on shelves, and a large storage from which specimens are constantly added, also a large series of microscopic slides, photographs and drawings. A descriptive catalogue is in course of publication through the help of the Osler Catalogue Fund and the Cooper Fund.

The Museum of the Royal Victoria Hospital consists to date of 340 mounted and catalogued specimens on shelves and much storage, a collection of microscopic and lantern slides, with charts and diagrams for pathological and clinical teaching.

SECTION OF ANATOMY.

DIRECTOR:—S. E. WHITNALL.

The original Anatomical Museum of the College was completely destroyed by the fire of 1907.

In the course of the years that have elapsed since that disaster, a new museum has been created and now contains several thousand specimens and models. These are being procured and arranged to illustrate general vertebrate embryology; human embryology and organogenesis; the theory of human evolution; the prehistoric races of mankind; physical anthropology; comparative osteology; general comparative anatomy and the details of human structures, regional, systematic and topographical.

MUSEUM OF HYGIENE.

DIRECTOR:—PROF. T. A. STARKEY.

The material in the museum has been rearranged with a view to exhibiting not only specimens of the best and most approved types of appliances in each particular branch of public health, but also examples of types which are to be avoided on hygienic principles.

In order to facilitate study and reference, the specimens have been classified upon a decimal system under the following sections:—

1. *Disinfection.*—Including disinfecting apparatus of all kinds, disinfectants and antiseptics.

2. *Lighting and Heating.*—Showing contrivances used for these purposes.

3. *Water.*—Showing conditions connected with pollution of water supplies, whether derived from the surface or underground sources; methods of purification on large and small scales; water pipes, etc., and the influence which these fittings may exert upon the water contained therein.

4. *Soils and Buildings.*—Building sites, various kinds of soils; relation between soil and dampness; permeability of soils to gases and water; composition of soils; effects of ground moisture on dwellings; measures to be taken against dampness and foul air; and building materials of all kinds.

5. *Air.*—Including ventilation schemes and appliances; climate and meteorology, with apparatus illustrative of each class.

6. *Foodstuffs.*—Adulterations and sophistications practised; samples of unsound foodstuffs.

7. *Bacteriological and Pathological.*—Specimens of diseased meats; specimens and slides of all the common micro-organisms, pathogenic and non-pathogenic.

8. *Clothing.*—Specimens of all the materials utilized for the manufacture of clothing, showing the raw state and the various processes through which they pass until the finished product is reached; the hygienic value of these various articles.

Injuries and deformities which may directly result from the use of badly designed articles of clothing; history and evolution of clothing.

9. *Drainage and Refuse Disposal.*—This section includes every type of appliance used as sanitary fixtures in buildings; drainage schemes; ultimate disposal of refuse both liquid and solid.

LIBRARY.

HONORARY LIBRARIAN:—DR. C. F. WYLDE.
ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.
ASSISTANTS:— MISS PAULINE M. CARRIÈRE.
MISS C. DAVIDSON, B.A.
MISS V. LOUISE DAVIDSON.

"The history of the Library is the history of the Faculty."
—Professor Hall.

The Library occupies the central part of the new building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library.

There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for loan by out of town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

It is expected that the unique collection of medical books bequeathed by the late Sir William Osler to the Medical Faculty will soon reach Montreal, and this collection will be housed in the New Medical Building. McGill is most fortunate in being the recipient of this magnificent gift, and it is hoped that it will prove an incentive to advanced study and research work.

STATISTICS.

October 1919—May 1st, 1920.

Readers	4,953
Books loaned	2,133
Journals loaned	1,138

Accessions from May 15, 1919, to April 23, 1920.

Number of Journals by gift	499
" " " " purchase	108
" " Books by gift	98
" " " by purchase	61
" " Transactions by gift	62
" " " " purchase	7
Total	835

Binding.—During 1919-1920, 282 volumes were prepared and sent to the bindery.

Cataloguing from May 1st, 1919, to April 23rd, 1920.

Books	687
Journals, continuations, etc.	1,950
Total	2,637

The following journals have been subscribed to during the current year, and appear for the first time on our shelves:

American journal of physical anthropology.
American journal of syphilis.
Annales de médecine.
Archiv di fisiologia.
Archives de maladies de l'appareil digestif et de la nutrition.
Archives des maladies de cœur.
Archives de médecine des enfants.
Archives of neurology and psychiatry.
British journal of experimental pathology.
Bulletin de l'académie de médecine.
Journal of comparative neurology.
Modern medicine.
Revue d'orthopédie.
Social hygiene.

This increases the number of current journals in the Library to 190.

Among other important purchases this year are Anatomischer Hefte, complete in all parts; Oppenheimer (ed.), Handbuch der Biochemis des Menschen und der Tiere;

We have this year received donations from the following:—

Bainbridge, Dr. W. S. (New York); Birkett, Dean; Blackader, Dr. A. D.; Byers, Dr. W. G. M.; Cohen, Dr. S. S. (Philadelphia); Cullen, Dr. T. S. (Baltimore); Elder, Dr. J. M.; Evans, Dr. D. J.; Garrow, Dr. A. E.; Goodman, Dr. Herman; Gordon, Dr. A. H.; Harvard Medical School (Boston); Henry, Dr. C. K. P.; Hess, Dr. A. F. (New York); Hutchison, Dr. J. A.; Johns Hopkins University and Hospital (Baltimore); League of Red Cross Societies; Macaulay, T. B.; McGill University—Department of Hygiene—Medical Faculty —Registrar's Office—Redpath Library; No. 3 General Hospital; Roddick, Sir Thomas; Rolleston, Sir Humphrey; Roy, Dr. I. N.; Scane, Dr. J. W.; Shepherd, Dr. F. J.; Surgeon-General's Office (Washington); Thornton, Dr. A. W.; Todd, Dr. J. L.; U.S. Treasury, Department of (Washington); Williams, Dr. T. A. (Pasadena); and the Editors of the Canadian Medical Association Journal.

Note: Where no address is given the donor resides in Montreal.

McGILL MEDICAL SOCIETY.

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To increase the facility with which the men can express themselves in public.

(4) To give the men an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed.

The annual meeting is the last meeting held in the spring, when the following officers are elected: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are from the Faculty).

A prize competition has been established in senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Fauclty and two prizes are awarded in each division. The papers are subject to the call of the executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the students' reading room. English and American journals, as well as the leading daily newspapers, are kept on file.

CLASS LISTS.

EIGHTY-EIGHTH SESSION, 1919-1920.

The total number of students enregistered in the Medical Faculty during the past session was 747, of whom 86 were dental students, and 33 pharmacy with 4 Post Graduates—

MEDICAL STUDENTS:—

First Year (Six-Year Course)	80	
First Year (Five-Year Course)	145	
Second Year	146	
Third Year	91	
Fourth Year	105	
Fifth Year	57	
		624

DENTALS:—

First Year	44	
Second Year	14	
Third Year	14	
Fourth Year	14	
		86
PHARMACY STUDENTS	33	
POST GRADUATES	4	
Total	747	

Of whom there were from:—

Quebec	307	Haïti	1
Ontario	150	Scotland	2
New Brunswick	48	Switzerland	1
Nova Scotia and Cape Breton	50	West Indies	16
United States	41	British Columbia	51
Newfoundland	11	Alberta and Saskatchewan	40
Prince Edward Island	19	British Guiana	1
England	2	Finland	1
Manitoba	4	Ireland	1
Greece	1		
		Total	747

FIRST YEAR.

(Six-Year Course.)

Altner, H. A., Montreal.
Aronson, J., Ottawa, Ont.
Backman, P. L., Montreal.
Boyle, J. E., Ottawa, Ont.
Brown, L. W., Ottawa, Ont.
Butler, W.S., Ottawa, Ont.
Cardozo, B., Cayes, Haïti.
Chalmers, F. B., Regina, Sask.
Clarke, A. M., Newcastle, N.B.
Clement, H. W., Chesterville, Ont.
Cruikshank, J. M., St. John West, N.B.
Coupal, J. L., Sedley, Sask.
Delahay, J. R., Ottawa, Ont.
Dempsay, G. R., Cochrane, New Ontario.
Donovan, G. J., Woodstock, N.B.
Doubilet, S., Montreal.
Dragushan, L., Moose Jaw, Sask.
Ferguson, J. A., Cumberland, Ont.
Feigenbaum, J., Montreal.
Fitzmaurice, L. W., Campbellton, N.B.
Forrest, J. R., Montreal.
Glickman, H., Montreal.
Galipeau, J. A., Montreal.
Galipeau, E. J. L., Montreal.
Ginsberg, L., Montreal.
Goldman, L., Montreal.
Grant, W. H. S., Westmount, Que.
†Gregory, A. E., B. D., Jamaica, B.W.I.
Hall, E. B., Bridgetown, N.S.
Hall, N. B., Kaslo, B.C.
Halperin, J. S., Montreal.
Harris, S. L., Ottawa, Ont.
Hill, N. P., Westmount, Que.
Hilton, G. E. M., Ottawa, Ont.
Hope, J. D., Lachute, Que.
Hosang, S. A. B., Trinidad, B.W.I.
Jeffrey, J. B., Arnprior, Ont.
Kaufman, M. R., Montreal.
Kuntz, A. E., Ottawa, Ont.
Lanthier, J., Montreal.
Lantz, J. P., Charlottetown, P.E.I.

†Partial.

La Zerte, L. C., Iroquois, Ont.
Little, L. P., Ottawa, Ont.
Lindsay, J. R., Glasgow Station, Ont.
McGuire, J. A., Cornwall, Ont.
McLean, E. M., Trinidad, B.W.I.
McVey, J. A., B.A., Ottawa, Ont.
Malloy, J. D., Blind River, Ont.
Middleton, L. A., Lachute Mills, Que.
Mitchell, A. W., St. Lambert, Que.
Morris, G. M., Windsor, N.S.
Nash, A. B., Victoria, B.C.
Nelson, J., Edmonton, Alta.
Olmsted, J. G. M., Ancaster, Ont.
Phillips, R. O., Kingston, Jamaica.
Presner, J. C., Montreal.
Pretty, H. G., Peterborough, Ont.
†Pugsley, D. R., St. John, N.B.
Rabinovitch, P., Montreal.
Ramjohn, M. R., Trinidad, B.W.I.
Rivenovich, L., Montreal.
Rivenovitch, S., Montreal.
Roach, R. D., Tatamagouche, N.S.
Rosenbaum, S., Montreal.
Roy, Roland, Ottawa, Ont.
Rusofsky, H., Montreal.
Scanlan, T. E., Montreal.
Senecal, J. G., St. Cesaire, Que.
Schwartz, I., Montreal.
Smith, B. T., Moose Jaw, Sask.
Stewart, J. A., Kinburn, Ont.
Sullivan, J. K., St. John, N.B.
Turpel, W. N., Victoria, B.C.
Thurber, D. S., Millerton, N.B.
Vallieres, J. L., B.A., Biddeford, Me.
Volpe, E. A., Montreal.
Wade, R. S., Renfrew, Ont.
Walker, D. W., Montreal.
Webster, B. P., Lansdowne, Ont.
Wight, G. Earle, Montreal.

FIRST YEAR.

(Five-Year Course.)

Abbott-Smith, G. W., Westmount, Que.
Abey, H. R., Kaslo, B.C.

†Partial.

Acton, J. H., Gananoque, Ont.
Alward, H. C., St. John, N.B.
Amos, E. A., Lachine, Que.
Argue, F. B., Shawville, Que.
Bagley, H. E., Danville, Que.
Bearisto, E. B., Malpeque, P.E.I.
*Boyce, J. C., Calgary, Alta.
Boyd, J. H., River Bourgeois, N.S.
**Boucher, P. A., Brocton, Mass.
Brady, C. P., Lancaster, Ont.
Birbeck, A. F., Vancouver, B.C.
*Breitman, R., Montreal.
Brown, F. M., Carman, Man.
**Bruce, H. G., Revelstoke, B.C.
*Bustin, H. B., St. John, N.B.
Caldwell, J. E., Ottawa, Ont.
Campbell, G. C., Montreal.
**Caron, R. E., Ottawa, Ont.
Charman, M. K., Charlottetown, P.E.I.
Chisholm, C. A., Antigonish, N.S.
Chisholm, D. N., Port Hastings, N.S.
Cleland, J. G. P., Penticton, B.C.
Clendinnen, I. C., Ottawa, Ont.
Curtis, H. C., Somerset, Bermuda.
Curtis, V. C., St. John's, Nfld.
Day, E. E., Vancouver, B.C.
Dyer, W. R., Alberton, P.E.I.
Draper, W. B., Freehold, N.J.
Elliott, J. M., Vancouver, B.C.
Elliott, S. G., Forget, Sask.
Elvidge, A. R., Montreal.
Eager, R. F., Ottawa, Ont.
Emmons, W. F., M.Sc., Vancouver, B.C.
Findlay, S. P., Vancouver, B.C.
Fisher, F. L., Truro, N.S.
Forrester, A. V., Victoria, B.C.
Fraser, D. S., New Glasgow, N.S.
Fraser, J. O., St. John's, Nfld.
*Freedman, J., Lachine, Que.
Gault, P. S., Montreal.
Geddes, A. K., Truro, N.S.
**Gincherman, A., Montreal.
Graham, H. C., Kemptville, Ont.
Griffith, J. J., Montreal.

**Repeating. *Double Course.

Gun, W. G., Vancouver, B.C.
Hainlen, E. W., Lake Pleasant, N.Y.
Hall, N. D., Vancouver, B.C.
Hamilton, R. S., Victoria, B.C.
Helmcken, J. S., Victoria, B.C.
Henderson, R. S., Merigomish, N.S.
Henry, J. S., Salisbury, N.B.
Henry, R. B., Montreal West, Que.
*Hershon, H., Montreal.
Holmes, T. C., Victoria, B.C.
**Holt, C. R., Westport, N.Y.
*Hooper, W. M., Brownsburg, Que.
**Howell, J. M., Westmount, Que.
Hudon, F. V., B.Sc., Richmond, Que.
Johnson, H. W., Soperton, Ont.
Johnston, D. B., Athens, Ont.
**Jones, T. M., Victoria, B.C.
*Kay, E., Montreal.
Keddy, A. R., Hemmingford, Que.
Kelly, E. P., Buckingham, Que.
Kelly, F. G., Charlottetown, P.E.I.
Kelly, W. M., Huntingdon, Que.
Kershaw, E. V., Victoria, B.C.
Langlois, A., Ottawa, Ont.
**Lawson, J. W., Eganville, Ont.
Lloyd, M. S., Rocanville, Sask.
**Lynn, L. J., A.B., Chelsea, Mass.
Macdermid, L. E., Martintown, Ont.
Macdermot, P. N., Westmount, Que.
Macdonald, A. A., Havre au Bouche, N.S.
Macdonald, D. A., Fraser Mills, N.S.
Macdonald, Donald A., Regina, Sask.
Macdonald, S., Vankleek Hill, Ont.
Macdonnell, W. G., Toronto, Ont.
MacGillivray, D. J., Antigonish, N.S.
Mackeen, R. A. H., Rothesay, N.B.
McBride, W. H., Carp, Ont.
McDonald, D. J., North Sydney, N.S.
**McElligott, D. C., Eganville, Ont.
McGinn, W. J., North Wiltshire, P.E.I.
*McIntosh, C. A., Ottawa, Ont.
McIntosh, W. T., Vankleek Hill, Ont.
*McKinnon, J. D., Sudbury, Ont.

**Repeating. *Double Course.

McLauchlin, L. G., Truro, N.S.
McLellan, A. M., Tatamagouche, N.S.
**Major, E. J. S., Ottawa, Ont.
Marcotte, E. G., B.A., Rochester, N.H.
Marsh, J. P., B.A., Quebec, Que.
**Massie, R. A., Westmount, Que.
Matthews, G. O., Port Arthur, Ont.
Middleton, W., Victoria, B.C.
*Mirsky, S., Ottawa, Ont.
Mooney, F. D., Stellarton, N.S.
Morris, G. D., London, Ont.
Morrissy, R. H., B.A., New Castle, N.B.
Murray, D. F., Victoria, B.C.
Nelson, H. F., Hamilton, Ont.
Noonan, W. J. V., B.A., Detroit, Mich.
Peters, W. H., Glace Bay, N.S.
Petersen, S. E., Toronto, Ont.
Pope, C. L., Richmond, Que.
†Pullar, W. C., Kingston, Jamaica, B.W.I.
Quackenbush, J. G., Ottawa, Ont.
*Rabinovitch, J., Montreal.
Ramsay, C. N., Montclair, N.J.
Ranson, C. A., Lindsay, Ont.
Reid, H. G., North Bay, Ont.
*Richardson, E. C., Brockville, Ont.
Roberts, G. A. C., Vancouver, B.C.
Roche, L. E., Ottawa, Ont.
Ross, H. G., Montreal.
Ross, J. B., Montreal.
Ryan, J. J., B.A., Montreal.
*Schleifstein, J. I., Montreal.
Sherman, G. A., Scotstown, Que.
**Silverman, N., Montreal.
Sim, N. R., Windthorst, Sask.
Simpson, J. Claude, B.A., Bay View Mills, P.E.I.
Simpson, H. L., Spring Hill H.S.
Skeet, H. J., Barnes, Surrey, England.
Skelly, A. J., Ottawa, Ont.
Sloan, A. V. Vinton, Que.
Stalker, M. R., Richmond, Que.
Stillwell, L. H., Montreal.
Stock, G. H., Ottawa, Ont.
Taylor, E. O., Ladner, B.C.

**Repeating. †Partial. ††Deceased.

Terry, K., Victoria, B.C.
*Teitelbaum, M., Montreal.
Thompson, W. W., Point LaNim, N.B.
Tidmarsh, C. J., B.A., Charlottetown, P.E.I.
Trites, A. E., Salisbury, N.B.
Urquhart, R. G., Revelstoke, B.C.
*Vineberg, N. M., Montreal.
Ward, P. D., Lower Ireland, Que.
Ward, R. V., Moncton, N.B.
Webster, L. H., Marie, P.E.I.
Weir, G. W., Trail, B.C.
Wiggins, R. H., Sackville, N.B.
White, G. M., Marysville, N.B.
Zinck, R. C., Chester, N.S.

SECOND YEAR.

Acker, J. C., Halifax, N.S.
Ackman, F. D., Moncton, N.B.
††Aitken, L. P., Aitken's Ferry, P.E.I.
†Anderson, Miss M., Fredericton, N.B.
Anglin, I. M., St. John, N.B.
**Apps. C. O., Brantford, Ont.
Aylward, G. F., Calgary, Alta.
Backer, D. R., Montreal, Que.
Ballon, H. C., Montreal, Que.
Benger, M. P., Port Arthur, Ont.
Blumenfeld, E. A., Montreal, Que.
Boon, G. A., Longueuil, Que.
Boyle, E. S., Wallace, N.S.
†Boucher, P. A., Brockton, Mass.
Britton, S. W., Devon, England.
Browne, L. A., Edinburgh, Scot.
Buckley, F. J., Gloucester Jct., N.B.
Bulger, C. D., Eganville, Ont.
Burke, H. E., Peru, N.Y.
Campbell, S. H., Chesley, Ont.
†Caron, R. E., Ottawa, Ont.
Carter, R. H., Truro, N.S.
Cashin, M. F., St. John's, Nfld.
Center, E. A., B.A., Lachute, Que.
Chan, Qui Hin, Victoria, B.C.
Chatters, O. P., Seattle, Wash.
Chesley A. S., St. John, N.B.
Cohen, J., Montreal, Que.

**Repeating. *Double Course. †Partial. ††Deceased.

Cook, M. S., Ottawa, Ont.
*Coveler, H. A., Montreal, Que.
Curtis, E. J., Vancouver, B.C.
Crewson, A. L., Alexandria, Ont.
Davidson, W. McD., Newton, Ont.
Dawson, M. H., B.A., Truro, N.S.
Demaray, J. F., B.A., Forest, Que.
Dowd, K. E., Ottawa, Ont.
Druker, M. E., Detroit, Mich.
DuBerger, R. L. A., Sherbrooke, Que.
Duncan, G. G., Billings Bridge, Ont.
Duskes, E., Montreal, Que.
Ein, W., Glace Bay, N.S.
Elder, H. M., Montreal, Que.
Elderkin, R. E., Wolfville, N.S.
Enzer, Norbert, Montreal, Que.
*Ereaux, L. P., B.Sc., Montreal.
*Evans, O. B., B.A., St. John, N.B.
*Everett, H. S., B.A., St. Andrews, N.B.
Fegen, S., Montreal, Que.
Feldman, J., Montreal, Que.
Fineberg, M., Montreal, Que.
Foster, J. G., Ottawa, Ont.
Fraser, W. A., Victoria, B.C.
*Freedman, N. B., B.Sc., Montreal, Que.
Geshelin, H. I., Regina, Sask.
Gibbons, Miss E. C., Ph.B., Rochester, N.Y.
†Gincherman, A., Montreal, Que.
Gold, S., Montreal, Que.
**Goldberg, L., Montreal.
Goldman, E. J., Syracuse, N.Y.
Gruber, S., Montreal, Que.
Hall, E. R., Vancouver, B.C.
Hamilton, R. L., Quebec, Que.
Harwood, W. L., Montreal, Que.
Hay, J. C., Victoria, B.C.
Heaney, W. G., Victoria, B.C.
Heller, H., Montreal, Que.
Hill, E. S., Ottawa, Ont.
Hume, W. E., Sherbrooke, Que.
Jackman, L. J., St. John's, Nfld.
Jardine, I. W., Kensington, P.E.I.
Jessup, H. S., Ladysmith, B.C.
Johnson, F. B., Montreal, Que.

**Repeating. *Double Course. †Partial.

Kearns, H. J., Chesterville, Ont.
Knight, F. H., St. John's, Nfld.
*Knowlton, H. C., B.A., Guilford, Maine.
Korenberg, S., Montreal, Que.
Kutzman, N., Montreal, Que.
Lamoy, L. T., Ausable Forks, N.Y.
†Lawson W. J., Eganville, Ont.
Lax, A., Hawkesbury, Ont.
Logan, H. L., St. John, N.B.
**Lewis, M. H.,
†Lynn, L. J., A.B., Chelsea, Mass.
MacIntosh, D. S., West River, N.S.
*McClure, J. C., Cowansville, Que.
McDonald, C. A., New Westminster, B.C.
McDonald, R. J., New Westminster, B.C.
†McElligott, D. C., Eganville, Ont.
McGill, C. S., Jr., Shelburne, N.S.
McGrand, F. A., Burtts Corner, N.B.
McGregor, D. U., Waterdown, Ont.
McLean, D. I., B.A., Charlottetown, P.E.I.
McLeod, C. E., Jr., B.A., Glace Bay, N.S.
McPhail, W. N., B.Sc., Drummond, Mont.
Mader, V. O., Halifax, N.S.
Magonet, S., Glace Bay, N.S.
Mair, H. U., Chesley, Ont.
Maillard, E. R., Trinidad, B.W.I.
Marcovitch, J., Montreal, Que.
Marcus, D., Montreal, Que.
Marks, M. I., Montreal, Que.
Massé, N., Montreal, Que.
Mitchell, S. L., St. John, N.B.
Moodie, G. E., Ottawa, Ont.
Morgan, G. S., Montreal, Que.
**Murphy, B. W., Halifax, N.S.
*Murray, W. A., Brownsburg, Que.
†Orlando, L., Brooklyn, N.Y.
Parlow, A. L., Ottawa, Ont.
Parsons, C. J. F., Harbor Grace, Nfld.
*Petersen, J. N., B.Sc., Montreal, Que.
Petrie, E. A., Ottawa, Ont.
Pinhey, J. W., Hudson Heights, Que.
†Pullar, W. C., Kingston, Jamaica, B.W.I.
Quinn, J. G., Ottawa, Ont.

**Repeating. *Double Course. †Partial.

Rafolovitch, M. J., Montreal, Que.
Robertson, J. R., Halifax, N.S.
Robillard, A. B., Montreal, Que.
Robillard, M. J., Ottawa, Ont.
Rosenbaum, W., Montreal, Que.
Rowan, A. A., St. John, N.B.
Rubenstein, C. S., Syracuse, N.Y.
*Rubin, S., Montreal, Que.
Rutenberg, L., Montreal, Que.
Scharfe, E. E., Billings Bridge, Ont.
Schlitz, Miss F. H., Saskatoon, Sask.
Schultz, C., Montreal, Que.
Schurman, C. G., Wolfville, N.S.
Segal, B. W., Montreal, Que.
Selzer, J., New York, N.Y.
Shaver, F. W., Montreal, Que.
Sheets, C. C., Massena, N.Y.
Sheret, A. W., Victoria, B.C.
*Silver, P. G., B.Sc., Montreal, Que.
Silverberg, A. C., Korsnas, Finland.
Skinner, G. F., B.Sc., St. John, N.B.
**Skinner, W. K., Montreal, Que.
Smallman, R. B., B.Sc., Wolfville, N.S.
Smith, H. G., St. John, N.B.
Smith, J. W., Lachute, Que.
Smith, W. H. Y., Ottawa, Ont.
*Somerville, W. B., B.A., Bristol, N.B.
Spiro, C., New Glasgow, N.S.
Sweet, A. H., B.A., Thornhill, Man.
Tarshis, Miss A., Montreal, Que.
**Thompson, H. H., Gananoque, Ont.
*Vaughan, J. M., B.Sc., Mt. Vernon, N.Y.
Wagner, O., Montreal, Que.
Wallace, F. W., Nelson, B.C.
Watson, C. A., Victoria, B.C.
Waxman, A., Montreal, Que.
Whiting, R. C., B.A., Montreal, Que.
Wilkie, A. L., B.A., Antigonish, N.S.
Wilson, G. A., Kars, Ont.

THIRD YEAR.

Adams, E. H., Pointe Claire, Que.
Allen, H. M., Toronto, Ont.
Archibald, C. W., Halifax, N.S.

*Double Course. **Repeating.

**Arthur, W. S., Sudbury, Ont.
Bassen, E. J., St. John, N.B.
Baxter, J. M., B.Sc., St. John, N.B.
**Beall, F. G. L., Westmount, Que.
Benjamin, B., B.A., Montreal, Que.
**Behan, E. J., Pembroke, Ont.
Blampin, Miss W. A., Montreal, Que.
Boyd, Jessie M., B.A., Montreal, Que.
**Bourret, R. C., Montreal, Que.
Breitman, H. B., Montreal, Que.
Brooks, W. A., Indian Head, Sask.
Brouse, I. E., New Denver, B.C.
**Browne, T. G., Melville, Sask.
Buckman, Chas., Montreal, Que.
*Bussiere, H. C., Montreal, Que.
Childs, Mary C., B.A., Montreal, Que.
Clark, S. K., B.Sc., Lansdowne, N.B.
Coler, E. S., Summit, N.J.
Copeland, J. G., B.A., Cornwall, Ont.
Copeland, Newall, Cornwall, Ont.
*Davis, Aaron, B.A., Lachine, Que.
Dickey, Ernest, Perdue, Sask.
Donnelly, R. H., St. John, N.B.
Druckman, Karl, B.A., Montreal, Que.
Feigenbaum, B., Montreal, Que.
*Fitzgerald, R. R., B.Sc., Calgary, Alta.
Fluhmann, C. F., B.A., Kenogami, Que.
Fox, C. B., St. John's, Nfld.
Gardner, A. J., Cornwall, Ont.
George, D. McD., Eganville, Ont.
Goldman, S., Montreal, Que.
*Golt, M. I., B.A., Montreal, Que.
Gordon, D. C., Ottawa, Ont.
Griffin, C. N., Montserrat, B.W.I.
Griffith, H. R., M.M., B.A., Montreal, Que.
Hart, H. H., B.A., Montreal, Que.
**Henry C. B., Montreal, Que.
Howe, H. F., Palmerston, Ont.
Hynes, J. S., Kensington, P.W.I.
Imbleau, J. E. L., Renfrew, Ont.
Ironstone, P. S., Sudbury, Ont.
Irwin, Lilian D., B.A., Montreal, Que.
Jardine, Hugh, Moncton, N.B.

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*Double Course. **Repeating.

Johnston, K. B., Montreal.
Katzman, H., Utica, N.Y.
Kearns, W. P., B.A., Chesterville, Ont.
Kinsman, J. M., Centreville, N.S.
Klein, David, Montreal, Que.
Laishley, W., Ottawa, Ont.
Levin, T., Montreal, Que.
†Lewis, M. H., Utica, N.Y.
*Lipsey, H., Montreal, Que.
Livshin, N., Syracuse, N.Y.
MacDonald, D. O., Sutton, Que.
**MacDonald, J. O., Warren, P.O., Ont.
MacLellan, D. F., B.A., Glenville, N.S.
MacMillan, D. W., Crysler, Ont.
McCormick, R. R., Arnprior, Ont.
McDonald, H. R., Newton, Ont.
McGregor, J., Victoria, B.C.
McIntosh, J. F., B.A., Ottawa, Ont.
McNabb, A. M., M.C., Ottawa, Ont.
McNamee, F. P., Victoria, B.C.
Messinger, M. J., Montreal, Que.
Miller, G. G., Montreal, Que.
*Mills, E. S., B.Sc., Ormstown, Que.
Morgan, P. J. G., Sorel, Que.
Naud, H. J., Smiths Falls, Ont.
O'Shaughnessy, P. E., Cobalt, Ont.
Parke, G. K., Pointe Claire, Que.
Percival, Eleanor S., B.A., Montreal, Que.
Potter, C. T., Montreal, Que.
Robertson, G. H., Falmouth, Jamaica, B.W.I.
Rose, W. H., Morrisburg, Ont.
Ross, A. G., Halifax, N.S.
*Rothschild, D., B.Sc., Montreal, Que.
Ryan, J. T., Montreal, Que.
Schmidt, O. V., B.L., Montreal, Que.
Sharp, H. H., Sussex, N.B.
†Skinner, W. K., Montreal, Que.
Stenson, W. T., B.A., Sherbrooke, Que.
Summers, R., Montreal, Que.
Usher, B. D., B.A., Montreal, Que.
Watson, E. R., Hawkesbury, Ont.
Wells, T. J., Rock Island, Que.

**Repeating. *Double Course. †Partial.

Whitebread, J., Nelson, B.C.
Wert, F. B., Avonmore, Ont.
Wittenberg, S. S., Montreal, Que.

FOURTH YEAR.

Aarons, M. J., Utica, N.Y.
Almond, W. W., Bideford, Alta.
Armour, J. C., Perth, Ont.
†Beall, F. G. L., Montreal, Que.
Beamish, O. F., Billings Bridge, Ont.
†Behan, E. J., Pembroke, Ont.
Bell, E. A., Tryon, P.E.I.
*Bernstein, F., B.A., Montreal, Que.
Bolt, Wm., St. John's, Nfld.
†Bourret, R. C., Toronto, Ont.
Bristol, J. L., Grenada, B.W.I.
†Browne, T. G., Melville, Sask.
Caldwell, A. L., Loverna, Sask.
Candish, H. M., Montreal, Que.
Cassidy, G. J., Quebec, Que.
Chandler, E. B., Montreal, Que.
Cooder, H. R., Montreal, Que.
Corbett, J. R., Edmonton, Alta.
Crewson, W. L., Alexandria, Ont.
Cully, J. H., Pembroke, Ont.
Daley, M. J., Albany, N.Y.
*Dawson, H. LeR., B.A., Montreal, Que.
Dorrance, W. J., Edmonton, Alta.
*Dowdall, G. F., B.A., Almonte, Ont.
Du Vernet, E. O., Digby, N.S.
Eakin, W. W., Montreal, Que.
Eliasoph, B., Quebec, Que.
Emerson, C. L., B.A., St. John West, N.B.
Field, T. H., Edmonton, Alta.
Fink, C. T., Mattawa, Ont.
Fish, F. H., Calgary, Alta.
Fournier, Dudley, Sudbury, Ont.
Freedman, M., Montreal, Que.
Gaboury, Hector, Ottawa, Ont.
†German, L. E., Montreal, Que.
Grant, J. H. B., Port Elgin, N.B.
Greenberg, M., Montreal. Que.
Gross, H. S., D.D.S., Montreal, Que.
Harkin,, G. H., Vankleek Hill, Ont.

*Double Course. †Partial.

*Hawthorne, A. B., B.A., Montreal, Que.
*Heinbecker, Peter, B.A., Listowel, Ont.
Henderson, E. F., Hamilton, Ont.
†Henry, C. B., Halifax, N.S.
Holling, S. A., B.A., Montreal, Que.
Hornbeck, C. S., Kingston, N.Y.
Hooper, H. S., Brownsburg, Que.
Humphreys, J. C., Kinburn, Ont.
Hutchison, K. O., Montreal, Que.
Jamieson, W. D. S., Clapham P.O., Que.
Jones, F. E., Ottawa, Ont.
Kearns, P. J., Kenmore, Ont.
Keeping, B. C., Murray Harbor, P.E.I.
Kenning, S. G., Victoria, B.C.
Kinsman, R. P., Waterville, N.S.
Lally, L. M. J., Ottawa, Ont.
*Lande, J., B.A., Montreal, Que.
Landor, R. D., Canton, Ohio.
Lapp, V. R., Cobourg, Ont.
Learoyd, D. R., Ottawa, Ont.
Levitt, Abel, North Bay, Ont.
Lockhart, J. R., Bristol, N.B.
McBride, C. D., So. Edmonton, Alta.
McCaffrey, L. E., Ormstown, Que.
†McDonald, J., Warren, Ont.
McGillivray, A. M., Dalkeith, Ont.
McIntyre, Preston, Montague, P.E.I.
McKee, W. B., Rossburn, Man.
Malamund, Wm., Montreal, Que.
Malo, R. F., Sudbury, Ont.
*Manning, C. E., B.A., Magog, Que.
Mapplebeck, T. E., Rochester, N.H.
Mulloy, J. K., Wetaskiwin, Alta.
Murray, J. S., River John, N.S.
Ofiesh, K. F., Montreal, Que.
Orobko, John, Edmonton, Alta.
Palmer, J. H., Gagetown, N.B.
Paradis, C. O., Bessemer, Mich.
Parkins, G. A., B.A., Montreal, Que.
Patterson, R. E., Merigomish, N.S.
Pendrigh, R. M., St. John, N.B.
Planche, L. S., B.A., Cookshire, Que.
Porter, W. A., B.A., Yarmouth, N.S.
Raftery, C. R., Montreal.

*Double Course. †Partial.

Riddell, A. E., Morrisburg, Ont.
Robillard, J. J., B.A., Ottawa, Ont.
Ross, C. B., Lucan, Ont.
Ross, F. D. E., Montreal, Que.
Ryan, E. J., Montreal, Que.
Sanders, J. L., Ottawa, Ont.
Scherzer, M., Montreal, Que.
Scriver, W. de M., B.A., Montreal, Que.
Scott, J. W., Edmonton, Alta.
†Shapiro, C. E., Ottawa, Ont.
Silverman, B., Montreal, Que.
Smith, E. K., Knoxville, Tenn.
Smith, H. B., Gloversville, N.Y.
Smith, J. W. H., Montreal.
Stewart, C. C., Perth, Scotland.
Strasberg, Alex., Montreal, Que.
*Strean, Geo., B.A., Montreal, Que.
Tennant, P. S., Vernon, B.C.
Thompson, E. E., Georgetown, British Guiana.
Thompson, G. E., Edmonton, Alta.
Trefry, H. S., Yarmouth, N.S.
Tremble, G. E., Montreal, Que.
Usher, S. J., B.A., Montreal, Que.
Valentine, J. B., Ottawa, Ont.
Walters, L. J., Ottawa, Ont.
Walton, R. A., Fort Saskatchewan, Alta.
Whitcomb, H. A., Smith's Falls, Ont.
Whiting, H. St. J., Montreal, Que.
††Wyseman, R. R., Trinidad, B.W.I.
Young, M. A. R., Edmonton, Alta.

FIFTH YEAR.

Ainsley, H. B., Tupper Lake Jct., N.Y.
Baltzan, D. M., Saskatoon, Sask.
*Beattie, W. W., B.A., Montreal, Que.
Branch, E. A. G., Antigua, B.W.I.
Brow, G. R., Charlottetown, P.E.I.
Brown, H. S., Cornwall, Ont.
Cahalan, R. E., B.A., Wyandotte, Mich.
Campbell, Henry, Montreal, Que.
Casselman, H. H. L., Winchester, Ont.
*Cassidy, H. C., B.A., Lachine, Que.
Coulson, R. B. M., Montreal, Que.
Duffy, J. L., B.A., Cornwall, Ont.

*Double Course. †Partial. ††Deceased.

Eaton, C. M., M.A., Truro, N.S.
Ellis, H. L., St. Vincent, B.W.I.
Facey, T. F., Miller, Alta.
Farmer, Vincent, Vankleek Hill, Ont.
Foley, T. F. J., Edmonton, Alta.
Fraser, A. A., Lakefield, Ont.
Gilhooly, J. P., Ottawa, Ont.
Gillanders, H. E., B.A., Lemesurier, Que.
Goodrich, B. O., Skawhegan, Me.
Gordon, J. K., B.A., Winnipeg, Man.
Henderson, M. W., Victoria, B.C.
Henderson, W. E., Chilliwack, B.C.
Heney, V. P., Ottawa, Ont.
Kramer, R. W. I., B.A., St. Jerome, Que.
Levitt, Nathan, Detroit, Mich.
Little, G. D., Montreal, Que.
Lozinsky, E., Montreal, Que.
MacDougall, J. A., B.A., McDougall's P.O., P.E.I.
McEuen, C. S., Montreal, Que.
McLellan, W. G., B.A., Montreal, Que.
McLeod, R. A., Southey, Sask.
Markson, M., Alexandria, Ont.
Miller, L. A., Edmonton, Alta.
Montgomery, L. C., M.C., New Richmond, Que.
Moret, Herman, Switzerland.
Moyse, M. D., Montreal, Que.
Notkin, Louis, Montreal, Que.
Notkin, Meyers, Montreal, Que.
Parsons, A. R., Bay Roberts, Nfld.
Power, R. M., Quebec, Que.
Ruby, Carl, Montreal, Que.
Ryan, C. A., Vancouver, B.C.
Segall, H. N., Montreal, Que.
Sihler, C. H., Litchfield, Ill.
Stuart, W. C., B.Sc. Hoboken, N.J.
Taylor, C. E., Cobalt, Ont.
Thorne, L. H., Russell, Ont.
Trainor, O. C., B.A., Hunter River, P.E.I.
†Trefry, A. W., M.D., Arcadia, N.S.
Tweedie, W. C., Rockland, Ont.
*Viner, A. K., B.A., Montreal, Que.
Waugh, T. R., B.A., St. Albans, Vt.
Williamson, N. T., Montreal, Que.
Young, A. W., Revelstoke, B.C.

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*Double Course. †Partial.

THE MEDICAL FACULTY AND THE WAR.

At the beginning of the war the University was in a particularly fortunate position as regards preparedness, having already in 1912 organized the first contingent of the C.O.T.C. with an establishment of two companies. At the outbreak of hostilities this was recruited over strength from the graduates and undergraduates, and in December, 1914, the McGill University Battalion was organized, to be later merged in the Contingent.

Members of the Faculty of Medicine, both teachers and students, entered enthusiastically into the activities of this branch of the service. Major A. Campbell Geddes, then Professor of Anatomy, who had seen active service in the South African campaign, was placed in charge, and to his energy and organizing ability the success of the Contingent was mainly due.

Of the other teachers who enlisted for service early in the war there were: Dr. R. P. Campbell, Officer Commanding No. 6 Field Ambulance; Dr. K. Cameron, No. 1 Canadian General Hospital; Dr. F. G. Finley, No. 1 Canadian General Hospital; Dr. C. F. Wylde, No. 2 Canadian General Hospital; Dr. (Sir) Andrew Macphail, No. 6 Field Ambulance; Dr. C. B. Keenan, No. 2 Canadian General Hospital; Dr. John McCrae, No. 3 Canadian General Hospital (McGill); Dr. Philip Burnett, No. 6 Field Ambulance; Dr. H. S. McKee, No. 2 Canadian Stationary Hospital; Dr. F. A. C. Scrimger, No. 1 Canadian General Hospital.

In addition to those above mentioned, a large number of graduates of the Faculty as well as undergraduates enlisted for service overseas soon after the opening of hostilities.

The contribution of the Faculty of Medicine to war needs was, however, more special and professional in character. Early in October, 1914, Col. H. S. Birkett, Dean of the Faculty, brought forward the plan of offering to the Government the personnel of a general hospital on the lines of communication. The suggestion at once received the sanction of the Faculty and was sent forward for approval of Corporation. On October 21st, 1914, this approval was given, and in December the offer was officially accepted by the military authorities.

On the 5th of March, 1915, mobilization of this unit was completed, and on the 6th of May No. 3 Canadian General Hospital (McGill) sailed for England. On the 18th of June the unit reached France and immediately began work at Camiers. Owing, however, to unfavourable climatic conditions, the hospital was moved to Boulogne, where it remained till May 23, 1919. After its establishment here it was increased to 1,500 beds and later on to 2,100.

From 1915 to the beginning of 1918, 100,000 patients were treated, including Canadians, British, Australians, New Zealanders, British West Indians, South Africans and Portuguese, the mortality being only 0.5%. Of over 7,000 operations performed the mortality was but 2.5%.

The following teachers and graduates constituted the Medical Staff of the Hospital on its arrival in France.

Dr. E. W. Archibald
Dr. H. S. Birkett
Dr. J. G. Browne
Dr. H. C. Burgess
Dr. J. M. Elder
Dr. W. T. Ewing
Dr. W. W. Francis
Dr. W. H. P. Hill
Dr. C. P. Howard
Dr. W. B. Howell
Dr. Wm. Hutchinson
Dr. H. M. Little
Dr. John McCrae
Dr. L. H. McKim
Dr. J. A. MacMillan
Dr. R. St. J. MacDonald
Dr. R. H. Malone
Dr. J. C. Meakins
Dr. A. H. Pirie
Dr. R. B. Robertson
Dr. L. J. Rhea
Dr. L. L. Reford
Dr. C. K. Russel
Dr. F. M. Tidmarsh
Dr. W. G. Turner
Dr. W. A. Wilkins
Dr. J. C. Wickam
Dr. H. B. Yates
Dr. L. H. Thornton (Dental)

LIST OF TEACHERS AND GRADUATES ON MILITARY SERVICE.

TEACHERS.

Adami, J. G. (Col.), Professor of Pathology ,enlisted 1915.... 1899
Archibald, E. W. (Major), Lecturer in Clinical Surgery, enlisted 1915 1896
Armstrong, G. E., *C.M.G.* (Col.), Professor of Surgery, enlisted 1916 1877
Barlow, W. L. (Capt.), Home Service..... 1898
Bazin, A. T. (Lt.-Col.), *D.S.O.*, Lecturer in Applied Anatomy and in Surgery, enlisted 1916..... 1894
Birchard, C. C. (Capt.), Home Service.....
Birkett, H. S. (Brig.-Gen.), *C.B.*, Professor of Oto-Laryngology and Dean Medical Faculty, enlisted 1914..... 1886
Bourne, C. R. (Capt.), Home Service..... 1912
Bourne, Wesley (Capt.), Home Service..... 1911
Browne, J. G. (Major), Demonstrator in Clinical Medicine, enlisted 1915 1901
Burgess, H. C. (Major), Lecturer in Obstetrics and Gynæcology, enlisted 1915 1905
Burnett, Philip, *D.S.O.* (Lt.-Col.), Lecturer in Dermatology, enlisted 1915 1900
Cameron, K., *C.M.G.*, (Col.), Lecturer in Clinical Surgery, enlisted 1914 1887
Campbell, D. G. (Capt.), Home Service..... 1908
Cotton, T. F. (Capt.), Assistant Demonstrator Clinical Medicine, enlisted 1915 1909
Elder, J. M. (Col.), *C.M.G.*, Assistant Professor of Surgery, enlisted 1915 1885
Enright, W. E. (Capt.), Home Service..... 1907
Finley, F. G. (Col.), *C.B.*, Professor of Medicine, enlisted 1914.. 1885
Forbes, A. MacKenzie (Lt.-Col.), Lecturer in Orthopedics, enlisted 1914 1898
Foster, L. S. (Capt.), Demonstrator of Clinical Medicine, enlisted 1916 1909
Francis, W. W. (Major), Assistant Demonstrator of Clinical Medicine, enlisted 1915 1909
Fraser, J. R. (Capt.), Demonstrator of Gynæcology and Obstetrics, enlisted 1917 1910
Geddes, A. C., *Sir K.C.B.* (Minister of National Service), Professor of Anatomy, enlisted 1914.....
Gilday, A. L. C. (Lt.-Col.), *D.S.O.* Demonstrator of Physiology, enlisted 1915 1900

Goodall, J. R. (Major), *O.B.E.*, Assistant Professor of Gynæcology and Lecturer in Obstetrics, enlisted 1915..... 1901
Gordon, A. H. (Capt.), Home Service..... 1899
Gray, H. R. D. (Capt.), Home Service..... 1900
Gurd, Fraser B., *M.C.* (Capt.), Lecturer on Immunology and Assistant Demonstrator of Clinical Surgery, enlisted 1916.. 1906
Hardisty, R. H. M., *M.C.* (Major), Demonstrator Clinical Chemistry and Medicine, enlisted 1915..... 1903
Harvey, F. W. (Capt.), Home Service..... 1898
Hill, W. H. P. (Major), Demonstrator Clinical Surgery, enlisted 1915 1900
Howell, W. B. (Major), Lecturer on Anæsthetics, enlisted 1915 1896
Hutchinson, J. W. (Major), Lecturer in Genito-Urinary Surgery, enlisted 1915 1904
Hutchison, J. Alex., *C.B.E.* (Col.), Professor of Surgery, enlisted 1917 1884
Johnson, J. G. W. (Major), Assistant Demonstrator Clinical Surgery, enlisted 1914 1904
Kaufmann, J. (Capt.), Home Service..... 1908
Keenan, C. B., *D.S.O.* (Lt.-Col.), Lecturer in Clinical Surgery, enlisted 1914 1897
Lafleur, H. A. (Civil), Home Service..... 1887
Levine, E. C. (Capt.), Home Service..... 1913
Lindsay, L. M. (Capt.), Home Service..... 1909
Little, H. M. (Capt.), Assistant Professor Obstetrics, Lecturer in Gynæcology, enlisted 1915..... 1901
MacCallum, D. G. (Capt.), Home Service..... 1906
MacCordick, A. H. (Capt.), Home Service..... 1908
MacDonald, R. St. J. (Major), Lecturer in Hygiene, enlisted 1915 1903
Macphail, *Sir* Andrew (Major), Lecturer on History of Medicine, enlisted 1915 1891
MacMillan, J. A. (Major), Assistant Demonstrator Ophthalmology, enlisted 1915 1906
MacTaggart, D. D. (Lt.-Col.), Home Service..... 1896
McKechnie, D. W., *D.S.O.* (Capt.), Demonstrator of Clinical Medicine, enlisted 1915 1904
McKee, S. H., *C.M.G.* (Col.), Lecturer in Bacteriology and Demonstrator Ophthalmology, enlisted 1914..... 1900
McKenty, F. (Capt.), Demonstrator Clinical Surgery, enlisted 1917 1902
Mason, J. L. D. (Capt.), Home Service..... 1902
Martin, C. F. (Lt.-Col.), Professor of Medicine, enlisted 1918.. 1892
Meakins, J. C. (Lt.-Col.), Lecturer in Immunology and in Clinical Medicine, enlisted 1915 1904

Moffatt, C. F. (Capt.), Demonstrator of Clinical Medicine, enlisted 1916 1905
Morgan, J. D. (Major), Demonstrator in Physiology, enlisted 1914 1907
Morphy, A. G. (Civil), Home Service..... 1890
Muckleston, H. S. (Major), Home Service..... 1905
Mullally, E. J. (Capt), Home Service..... 1901
Patch, F. S. (Lt.-Col.), Home Service..... 1903
Peters, C. A., *D.S.O.* (Col.), Lecturer in Medicine and Clinical Medicine, enlisted 1916 1898
Pirie, A. H. (Major), Demonstrator of Roentgenology, enlisted 1915 .....
Powell, R. E. (Capt.), Home Service..... 1908
Reford, L. L. (Major), Assistant Demonstrator Pathology and of Clinical Surgery, enlisted 1915..... 1904
Rhea, L. J. (Major), Associate Professor of Pathology, enlisted 1915 .....
Robbins, E. E. (Capt.), Home Service..... 1906
Robertson, A. A. (Capt.), Home Service..... 1894
Rogers, J. T. (Capt.), Home Service..... 1904
Rosenbaum, J. J. (Capt.), Home Service..... 1912
Russel, C. K. (Lt.-Col.), Lecturer in Neurology, enlisted 1915.. 1901
Scrimger, F. A. C., *V.C.* (Major), Demonstrator of Clinical Surgery, enlisted 1914 1905
Shanks, Geo. (Capt.), Demonstrator of Clinical Medicine, enlisted 1914 1908
Shaw, T. P. (Capt.), Home Service..... 1893
Simpson, J. C. (Capt.), Home Service.....
Sims, H. A. (Capt.), Assistant Demonstrator Clinical Medicine, enlisted 1916 1904
Smyth, W. H. (Capt.), Home Service..... 1896
Starkey, T. A. (Lt.-Col.), Professor of Hygiene, enlisted 1916.. 1911
Tees, F. J., *M.C.* (Capt.), Demonstrator of Clinical Surgery, enlisted 1916 1905
Todd, J. L. (Major), Associate Professor Parasitology, enlisted 1915 1900
Tooke, F. T. (Capt.), Home Service..... 1899
Tull, J. A. C. (Capt.), Assistant Demonstrator Chemistry and of Clinical Medicine, enlisted 1916..... 1905
Turner, W. G., *M.C.* (Major), Lecturer in Orthopedic Surgery, enlisted 1915 1900
Wilkins, W. A. (Capt.), Demonstrator of Roentgenology, enlisted 1915 1899
Wylde, C. F. (Col.), Demonstrator of Clinical Medicine and Pediatrics, enlisted 1914 1888

GRADUATES. (So Far as known).

Abell, M. C..... 1916
Affleck, J. E., *M.C. and Bar* 1916
Ainley, L. T..... 1904
Ainley, W. E..... 1904
Alford, J. H..... 1904
Alguire, A. R..... 1905
Alley, G. T..... 1899
Ames, C. A..... 1902
Anderson, C. M..... 1916
Anderson, C. W., B.A..... 1903
Anderson, D. P..... 1895
Argue, A. F., *M.C.*..... 1914
Atkinson, J. H..... 1913
Atkinson, W. S..... 1914
Aylmer, A. 1899

Baby, G. R., *M.C*..... 1915
Baird, F. S..... 1913
Baldwin, S. G., B.A., *M.C.* 1916
Barrett, H. A., B.A..... 1916
Bauld, W. A. G., *D.S.O*.... 1911
Bayfield, G. E..... 1898
Bechtel, A. D..... 1908
Belanger, P. B., *M.C. and Bar, Croix de Guerre*.... 1915
Benner, F. A..... 1910
Bilodeau, J. P..... 1913
Bird, Mrs. Mary R. (Bishops) 1916
Bissett, G. W..... 1917
Benning, C. H. P. G..... 1917
Blair, E. M..... 1917
Bishop, G. A..... 1903
Black, J. C..... 1904
Bonnell, S. 1896
Boudreau, F. G..... 1910
Bowie, R. A..... 1891
Brannen, J. P..... 1900
Briggs, J. A..... 1905
Briggs, T. A., *M.C*..... 1913
Brodie, A. W..... 1917
Brown, D. M..... 1910
Bruneau, I. E., B.A..... 1913
Busby, E. M., B.A..... 1918
Byers, J. R..... 1902

Cahanna, B. L..... 1917
Campbell, A. D..... 1911
Campbell, J. A. E., B.A... 1902
Carron, F. B..... 1896
Cartwright, C. 1901
Chabot, J. L..... 1892
Chandler, A. B., B.A..... 1906
Charters, G. E..... 1915
Chipman, W. W., *M.C*..... 1904
Chisholm, H. A., B.A., *D.S.O., C.M.G.* 1905
Chisholm, A. N..... 1917
Church, C. H..... 1896
Church, C. K., B.A..... 1916
Churchill, L. P., *M.C*..... 1909
Clark, F. C., *M.C*..... 1908
Clarke, J. C..... 1909
Cleveland, D. E. H..... 1914
Clouston, H. R., B.A..... 1911
Coates, H. W..... 1901
Conover, K. I..... 1916
Conroy, C. P..... 1888
Conroy, H. J..... 1915
Corbett, F. A. F..... 1896
Corbett, G. G..... 1898
Couillard, A. J., B.A..... 1914
Cox, R. B..... 1902
Craig, D. A..... 1909
Crozier, J. A., B.A..... 1902
Craig, E. 1917
Coughlin, F. J..... 1917
Cruikshank, W. D..... 1913
Cumming, H. E., *M.C*..... 1913
Cumming, J. R..... 1913
Cumming, W. G., B.A..... 1903
Curry, W. A., B.A..... 1909
Cuzner, G. 1900

Dakin, W. A., M.A..... 1910
Dalpe, W. G..... 1914
Davis, D. W..... 1909
Davis, Stephen 1908
Delahey, A. E..... 1917
DesBrisay, H. A..... 1913
DeMuth, Otto, *M.C*..... 1915
DeWitt, C. E. A., B.A..... 1908
Dickson, J. A., B.A..... 1887
Digby, R. W..... 1912
Dixon, H. C., B.A..... 1913
Donaldson, A. S., *D.S.O. and Bar* 1901
Donnelly, J. M..... 1917
Dorsey, J. W..... 1909
Douglas, H. T..... 1912
Douglas, E., B.A., *M.C*..... 1904
Dowler, W. H..... 1905
Drier, N. E..... 1899
Drum, L., B.A..... 1896
Dunbar, D. A..... 1910

Eager, W. H..... 1900
Eaton, C. E..... 1904

Eberts, H. F. H..... 1915
Edgar, C. J..... 1887
Egan, W. J..... 1901
Elkington, E. H. W..... 1918
Ellis, H. R..... 1903
English, J. M..... 1903
Ewart, Carl 1910
Ewing, W. T., *M.C.*..... 1909
Fairie, J. A..... 1906
Fawcett, R. F. M..... 1899
Farlinger, A. C..... 1917
Falls, F. N. K..... 1917
Flegg, R. F..... 1906
Forbes, A. E. G..... 1906
Forbes, R. D..... 1903
Fortin, C. E. F., B.A..... 1903
Foss, A. F..... 1896
Foster, G. M., *M.C.*..... 1897
Fraser, W. G..... 1910
Freeze, D. F. D., *M.C.*..... 1912
Fripp, G. D., B.A..... 1906
Frost, A. C. 1903
Fuller, A. T., B.A..... 1901
Fuller, G. F. LeR..... 1899
Fyshe, J. C., B.A..... 1904

Gall, G. L., B.A..... 1916
Gallagher, J. B., B.A..... 1910
Gardiner, R. J., *M.C.*..... 1902
Gardner, R. L., B.A..... 1901
Gibson, R. 1904
Gilday, F. W..... 1897
Gillies, G. E..... 1906
Gilmour, W. N., *M.C.*..... 1910
Gorrel, A. S..... 1890
Gorrel, C. W. F..... 1894
Gowdey, W. C..... 1913
Grant, W. J..... 1915
Green, T. B., B.A..... 1906
Greene, E. 1899
Greenleese, J. C..... 1909
Greenspon, E. A..... 1916
Griffith, G. T., B.A..... 1915
Grundy, G. M..... 1913
Guiou, N. M..... 1916
Gurd, C. C., B.A..... 1897

Hadfield, J. P..... 1917
Hale, G. E., *M.C.*..... 1909
Hall, Geo., *D.S.O.*..... 1905
Hamilton, C. D..... 1911
Hammond, J. F..... 1906
Hanington, J. W. B..... 1905
Harris, L. C..... 1902
Haszard, J. F..... 1917
Haszard, C. F. L..... 1900
Hastings, R. C..... 1917
Hart, E. C., *C.M.G.*..... 1894
Hartin, D. 1914
Hartman, L. J..... 1916
Harvie, S. K., B.A..... 1902
Harwood, R. de L..... 1895
Hawkins, A. C..... 1885
Hayes, J., B.A..... 1891
Hébert, A. J. B..... 1912
Henderson, A. T..... 1913
Henry, C. M..... 1902
Hepburn, H. H., *M.C.*, *Mons Star* 1910
Hogan, E. V., B.A..... 1896
Hogg, D. H..... 1892
Hogle, J. H..... 1895
Houle, L. G..... 1912
Howard, A. C. P., B.A..... 1901
Howlett, G. P..... 1906
Hutson, L. C..... 1914
Hutton, W. A..... 1913
Hunter, T. V..... 1917
Hunter, W. A..... 1917
Huycke, A. H., *M. C. and Bar* 1907

Illievitz, A. B..... 1914
Irvine, A. D., *M.C.*..... 1896

Jacques, H. M., *D.S.O.*... 1894
Jenkins, J. S., *D.S.O.*..... 1912
Jento, C. P..... 1891
Johnson, F. A..... 1917
Johnson, A. L..... 1909
Johnson, H. D..... 1885
Jones, A. L..... 1914
Jones, H. A., B.A..... 1900
Jones, J. H..... 1900
Jost, A. C..... 1897
Joyce, C. R..... 1914

Kean, C. D..... 1915
Kearney, G. H..... 1911
Keating, H. L. T..... 1900
Keay, Arnold 1910
Kendall, C. J..... 1916
Kennedy, G. L. D..... 1915
Kennedy, R. A., B.A..... 1886
Kenny, R. W., *M.C.*..... 1903
Kerfoot, H. W..... 1906
Keys, M. J..... 1904
King, S. S..... 1905
Kinney, B. O..... 1916
Kirkland, A. S..... 1913
Krolik, M. 1913

Laing, G. F..... 1915
Lamb, A. S..... 1917
Lamb, W. V..... 1903
Lauchlan, L. C., B.A..... 1904
Lawson, E. H..... 1915
Learmonth, G. E., B.A..... 1901
Leavitt, J., B.A..... 1916
Lee, J. C..... 1914
Lees, F. W., *M.C. and Bar.* 1908
Leeson, L. H..... 1915
Lewis, D. S., M.Sc..... 1912
Lightstone, Herbert, *M.C., D.S.O., Croix de Guerre, Legion of Honor*..... 1910
Lineham, D. M..... 1899
Lippiatt, H. T..... 1904
Locke, E. E., B.A..... 1907
Lockwood, A. L., *M.C., D.S.O., Mons Star*..... 1910
Logie, F. G..... 1907
Logie, H. B., B.A..... 1910
Loggie, W. S..... 1905
Lomas, A. J..... 1902
Lomer, T. A., *D.S.O*..... 1906
Lunney, E. W..... 1917
Lowry, W. C., B.A..... 1916
Lundon, A. E..... 1914
Lundon, C. T..... 1914
Lunney, T. H..... 1901
Lyon, G. R. D..... 1906
Lyons, G. A., *M.C*..... 1916

MacArthur, R. A..... 1918
MacDermot, H. E..... 1913
Macdonald, J. P..... 1906
Macdonald, R. H., *M.C*..... 1908
MacDonnell, D. F..... 1908
MacGregor, J., *M.C*..... 1912
MacHaffie, L. P..... 1912
MacIntosh, L. de C..... 1904
Mackay, A. A..... 1913
Mackay, D. S..... 1901
Mackay, F. H..... 1912
MacKid, L. S..... 1904
MacLaren, A. H., B.A..... 1902
MacLeod, D. A..... 1913
MacNaughton, B. F..... 1915
MacNutt, L. W..... 1910
MacPhee, J. A., B.A..... 1910
MacPherson, J. J..... 1916
McAlister, W. J., *M.C*..... 1910
McCallum, J. S., *M.C*..... 1909
McCarthy, G. S..... 1894
McCombe, J..... 1899
McConnell, R. E., B.A..... 1900
McCowen, G. R..... 1907
McCusker, E. A., *M.C*..... 1916
McIsaac, W. F..... 1917
McDiarmid, C. A..... 1903
McDonald, D. D..... 1887
McDonald, E. E..... 1901
McDonald, G. 1889
McEwen, H. B., *M.C*..... 1916
McGibbon, R. H..... 1911
McGregor, A. F..... 1917
McIntyre, G. D..... 1913
McKenzie, J. W., B.A..... 1918
McKenzie, R. Tait..... 1892
McKenzie, S. R..... 1893
McKim, L. H..... 1912
McKinnon, F. W..... 1897
McLean, J. R., B.A..... 1898
McMillan, W. H..... 1912
McNally, G. J..... 1895
McNaughton, M. W..... 1910
McNulty, L. T..... 1913
Mabee, O. R..... 1906
Mack, H. J..... 1916
Main, C. G..... 1891
Malcolm, D.C., *M.C*..... 1906
Malcolm, R. B..... 1910
Malloch, T. A..... 1913
Malone, J. M. F..... 1915
Malone, R. H..... 1913
Manchester, G. H..... 1902
Matthews, L. M..... 1917
Marlatt, C. A..... 1916
Martin, A. J..... 1915
Mason, E. G..... 1902
Mason, E. H., Ph.B..... 1914
May, J. W..... 1902
Meeker, J. E..... 1913
Melhado, G. C..... 1914
Mercereau, H. C..... 1905
Mewburn, F. H..... 1881
Mewburn, F. H. H..... 1914
Miller, W. H..... 1917
Mingie, W. J. E., *M.C*..... 1915
Moles, E. B..... 1896
Molleur, C. A..... 1916
Monahan, R. J..... 1906
Moore, J. D..... 1917
Morris, C. H., B.A..... 1897
Morris, O. 1890
Morrison, D. A., *M.C*..... 1914
Moses, H. C..... 1908
Mothersil, G. S., *D.S.O*..... 1902
Muir, W. L., B.A..... 1907
Munroe, A. R..... 1906
Munroe, Finley, *M.C*..... 1913
Munroe, H. E., *O.B.C*..... 1903
Murtagh, A. P..... 1917

Murphy, G. B., B.A..... 1908
Murray, L. M..... 1900
Mussen, A. T..... 1900
Mustard, H. R., *M.C*..... 1914

Nase, Philip 1913
Nathan, David 1906
Neilson, H. K..... 1915
Nelson, W. E..... 1903
Newcombe, W. E..... 1901
Newsam, A. R..... 1918
Nicholls, A. G., M.A..... 1894
Nicholson, F. J., B.A..... 1899

O'Callaghan, R. H. L..... 1910
O'Donnell, J. E..... 1913
O'Reilly, J. B..... 1917
Ord, W. E., *Croix de Guerre* 1916
Osborne, A. B..... 1886
Osler, Sir William..... 1872
Oulton, M. A., B.A..... 1907
Ower, J. J., B.A..... 1909

Paine, H. G. C..... 1916
Park, A. W..... 1904
Parsons, W. H., *M.C*..... 1906
Parsons, W. S..... 1917
Parker, V. H. T..... 1917
Paterson, F. P..... 1898
Pavey, H. L..... 1903
Peat, G. H..... 1906
Pedley, F. G., B.A., *M.C*... 1916
Peele, Sydney 1910
Peterson, G. R..... 1903
Phelan, G. W..... 1913
Perez, T. E..... 1917
Phillips, G. G..... 1917
Planche, H. H..... 1912
Pope, E. L., B.A..... 1900
Porter, A. S., *M.C*..... 1900
Pratt, C. M..... 1902
Preston, C. E..... 1904
Price, R. F..... 1916

Rabinovitch, I. M..... 1917
Ramsay, I. D..... 1915
Ramsey, G. Stuart..... 1912
Rankin, A. C..... 1904
Rankin, R. D..... 1914
Redman, R. C..... 1917
Raphael, H. McL..... 1910
Reaveley, E. 1887
Reid, L. C., *M.C*..... 1916
Reilly, W. H..... 1906
Richard, F. A..... 1900
Richardson, J. W..... 1910
Rilance, C. D..... 1906
Ritchie, C. F. P., B.A..... 1902
Robbins, E. E..... 1906
Roberts, A. B..... 1902
Roberts, J. 1901
Roberts, L. H., B.A..... 1914
Roberts, M. C..... 1911
Robertson, A. M..... 1885
Robertson, A. R..... 1905
Robertson, E. A., B.A..... 1891
Robertson, R. B..... 1913
Robertson, W. G..... 1903
Robinson, R. C..... 1907
Robson, C. H..... 1913
Rogers, F. E..... 1897
Rogers, K. F..... 1914
Rommel, E. 1905
Ross, Albert, B.A., *M.C*.... 1914
Ross, R. O., B.A..... 1896
Ross, S. G., B.A., *M.C*., *D.S.O*. 1913
Ruddick, W. W..... 1914

Sanders, C. W..... 1901
Scott, G. O..... 1910
Scott, W. C. M., *M.C*..... 1914
Scott, W. A., *M.C*..... 1907
Secord, W. H., *M.C*..... 1903
Shanks, A. L..... 1889
Shannon, W. L..... 1911
Sharp, A. D., *M.C*..... 1915
Sharp, C. E..... 1909
Shaw, G. F..... 1893
Shaw, R. McL., B.A..... 1906
Shillington, A. T..... 1894
Shillington, R. N. W..... 1910
Scully, F. J..... 1917
Skeete, H. E..... 1918
Skinner, B. W..... 1917
Sinclair, F. D., B.A..... 1910
Skeels, A. A., B.A..... 1891
Slack, M. R..... 1903
Smith, C. H. V..... 1914
Smith, E. C..... 1915
Soley, L. A..... 1908
Spier, J. R..... 1891
Staples, C. A., B.A..... 1896
Steeves, E. O..... 1903
Stephens, G. F..... 1907
Stewart, C. J..... 1918
Stewart, C. J..... 1901
Stewart, J. A..... 1904
Stewart, J. D..... 1911
Stockwell, H. K..... 190?
Struthers, R. R., B.A..... 1918

Sullivan, W. E..... 1896
Sutherland, R. H., B.A..... 1907
Sutherland, T. W..... 1912
Sutherland, C. G..... 1917
Swancesky, H. P..... 1917

Taylor, D. A..... 1901
Taylor, G. O..... 1907
Templeman, Wm. 1915
Thomas, M. W..... 1912
Thompson, A. E., *M.C.*..... 1913
Thompson, G. H..... 1899
Thomson, J. W..... 1907
Tidmarsh, F. W..... 1914
Tupper, T. S..... 1896

Urquhart, J. A..... 1915

Valin, R. E..... 1905
Vesey, E. M..... 1907
Vigneux, M. J..... 1911
Vipond, A. E..... 1889
Vipond, Chas., *D.S.O.*..... 1895

Walker, J. L..... 1893
Wall, J. T..... 1913
Walsh, C. O..... 1915
Walter, A. B..... 1921
Warwick, W. 1904
Waugh, O. S..... 1908
Webster, R. E..... 1891
Weldon, R. C., Jr..... 1906
Wert, H. C..... 1915
Wheeler, F. H..... 1896
White, J. H..... 1906
White, S. G..... 1903
Whitton, D. A..... 1898
Whyte, J. T., B.A..... 1893
Wickham, J. C., B.A..... 1914
Wilkes, A. B., B.A..... 1915
Williams, E. J., B.A., *D.S.O.* 1897
Williams, J. A..... 1895
Wilmot, LeB. B..... 1901
Wilson, A. A..... 1907
Warshawsky, H. P..... 1917
Wilson, F. W. F..... 1897
Wilson, G. T., B.A..... 1909
Wilson, R. 1893
Wilson, R. D..... 1915
Wood, Casey A..... 1906
Wood, G. O..... 1905
Woodley, J. W., *M.C.*..... 1899
Woodrow, J. B..... 1907
Wright, H. P., B.A..... 1914
Wright, R. P., *D.S.O. C.M.G.* 1908
Wolff, T. C., B.L..... 1917

Young, C. A..... 1905

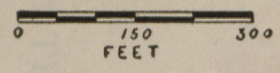
HONOR ROLL.

Graduates and Teachers who have made the Supreme Sacrifice.

* R. P. Campbell, B.A..... 1901
L. E. Clark..... 1913
W. P. Dillon..... 1904
J. L. Duval..... 1898
A. M. Fisher..... 1914
C. D. Hamilton..... 1911
S. W. Hewetson..... 1893
* John McCrae .....
W. F. McIsaac..... 1917
W. M. McLeod..... 1918
J. LeR. Mavety..... 1911
S. A. Ross..... 1899
C. H. V. Smith..... 1914
A. R. Tilley..... 1906
F. S. Walcott..... 1915
J. P. Walsh..... 1909
* H. B. Yates..... 1893

* Teachers.

BUILDINGS AND GROUNDS OF McGILL UNIVERSITY MONTREAL



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CARLTON Rd

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UNIVERSITY ST

OLD MEDICAL BUILDING

POWER STATION

WESLEYAN COLLEGE

OBSERVATORY

ARTS BUILDING

MILTON ST

PRESBYTERIAN COLLEGE

REDPATH MUSEUM

MACDONALD ENGINEERING BUILDING

DIOCESAN COLLEGE

MACDONALD CHEMISTRY AND MINING BUILDING

CONGREGATIONAL COLLEGE

REDPATH LIBRARY

McTAVISH ST

MACDONALD PHYSICS BUILDING

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STRATHCONA HALL

BURNSIDE PLACE

GYMNASIUM

METCALFE ST

MANSFIELD ST

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VICTORIA ST

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MOUNTAIN
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ANNUAL CALENDAR

FACULTY *of* MEDICINE



NINETIETH SESSION

1921-1922

THE GAZETTE PRINTING CO., LIMITED, MONTREAL.

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7th Month JULY xxxi days 1921.

1	F.	Dominion Day.
2	S.	
3	**S.**	
4	M.	Prof. Exams. Prince Edward Island.
5	Tu.	
6	W.	
7	Th.	
8	F.	Meeting of Board of Province of Quebec (at Montreal)
9	S.	
10	**S.**	
11	M.	
12	Tu.	Prof. Exams. Saskatchewan.
13	W.	
14	Th.	
15	F.	Dr. W. Robertson died, 1844.
16	S.	
17	**S.**	
18	M.	
19	Tu.	
20	W.	
21	Th.	
22	F.	
23	S.	
24	**S.**	
25	M.	
26	Tu.	
27	W.	
28	Th.	
29	F.	
30	S.	
31	**S.**	Dr. R. L. MacDonnell died, 1891.

8th Month AUGUST xxxi days 1921.

1	M.	
2	Tu.	
3	W.	
4	Th.	
5	F.	Duverney born, 1648.
6	S.	
7	**S.**	Prof. Geo. Wilkins died, 1916.
8	M.	
9	Tu.	
10	W.	
11	Th.	
12	F.	
13	S.	
14	**S.**	
15	M.	Lavoisier born, 1743. Prof. Exams. Alberta.
16	Tu.	
17	W.	
18	Th.	
19	F.	
20	S.	
21	**S.**	
22	M.	Sir A. Cooper born, 1768.
23	Tu.	
24	W.	
25	Th.	
26	F.	Goethe born, 1749.
27	S.	
28	**S.**	
29	M.	
30	Tu.	
31	W.	

9th Month SEPTEMBER xxx days. 1921.

1	TH.	
2	F.	
3	S.	
4	**S.**	
5	M.	
6	TU.	Prof. Exams. Newfoundland.
7	W.	
8	TH.	
9	F.	Galvani born, 1737.
10	S.	
11	**S.**	
12	M.	
13	TU.	
14	W.	Meeting of Quebec Medical Board (Quebec).
15	TH.	
16	F.	
17	S.	
18	**S.**	
19	M.	Matriculation Exams. begin. Supplemental Exams. begin.
20	TU.	
21	W.	
22	TH.	
23	F.	
24	S.	
25	**S.**	
26	M.	Meeting of Governors.
27	TU.	Prof. Exams. Nova Scotia.
28	W.	
29	TH.	
30	F.	

10th Month OCTOBER xxxi days. 1921.

1	S.	Physical Exam. First Year.
2	**S.**	Prof. G. P. Girdwood died, 1917.
3	M.	Lectures begin.
4	Tu.	
5	W.	
6	Th.	James McGill born, 1744, Founder's Day. Prof. James Stewart died, 1906.
7	F.	First Examinations Dom. Med. Council, 1913.
8	S.	Fallopius died, 1562. Interclass Sports. Register closes for session 1921-1922.
9	**S.**	Dr. A. F. Holmes died, 1860.
10	M.	
11	Tu.	Prof. F. Buller died, 1905. Medical Council of Canada Exams.
12	W.	Meeting of Corporation.
13	Th.	Reamur died, 1857.
14	F.	Vesalius died, 1564.
15	S.	Interclass Sports. (No lectures.)
16	**S.**	
17	M.	
18	Tu.	
19	W.	Baillie born, 1761.
20	Th.	
21	F.	University Sports. (No lectures.)
22	S.	
23	**S.**	
24	M.	Meeting of Governors.
25	Tu.	British Columbia Med. Board.
26	W.	
27	Th.	
28	F.	Lectures began in Montreal Med. Ins. in 1824.
29	S.	
30	**S.**	
31	M.	

11th Month NOVEMBER xxx days. 1921.

1	Tu.	
2	W.	
3	Th.	
4	F.	
5	S.	
6	**S.**	First lectures delivered in Med. Faculty, 1829.
7	M.	Dr. George Ross died, 1892. Prof. G. R. Mines died, 1914.
8	Tu.	Prof. Exams. Province of Ontario.
9	W.	Edward VII born, 1841.
10	Th.	
11	F.	Bichat born, 1771.
12	S.	
13	**S.**	
14	M.	Dr. Duncan MacCallum died, 1904.
15	Tu.	
16	W.	
17	Th.	
18	F.	Sir William Dawson died, 1899.
19	S.	
20	**S.**	
21	M.	
22	Tu.	
23	W.	
24	Th.	
25	F.	
26	S.	
27	**S.**	
28	M.	Meeting of Governors.
29	Tu.	
30	W.	

12th Month DECEMBER xxxi days. 1921.

1	Th.	
2	F.	
3	S.	
4	**S.**	
5	M.	
6	Tu.	
7	W.	
8	Th.	Herbert Spencer died, 1903.
9	F.	
10	S.	
11	**S.**	
12	M.	
13	Tu.	Lectures end. (Third Year only.)
14	W.	James McGill died, 1813.
15	Th.	Meeting of Corporation. Christmas Exams. (Third Year.)
16	F.	
17	S.	
18	**S.**	
19	M.	
20	Tu.	
21	W.	Potts died, 1788. Autumn term ends.
22	Th.	
23	F.	
24	S.	
25	**S.**	Christmas Day.
26	M.	Meeting of Governors. Peyer born, 1653.
27	Tu.	
28	W.	
29	Th.	
30	F.	
31	S.	Boerhaave born, 1688.

1st Month JANUARY xxxi days. 1922.

1	**S.**	New Year's Day.
2	M.	Royal Victoria Hospital opened, 1894.
3	Tu.	Linacre born, 1460.
4	W.	Lectures resumed.
5	Th.	
6	F.	
7	S.	
8	**S.**	
9	M.	
10	Tu.	Prof. Exams. Saskatchewan.
11	W.	
12	Th.	
13	F.	Lower born, 1653.
14	S.	
15	**S.**	
16	M.	
17	Tu.	First Term ends.
18	W.	
19	Th.	Examinations. (First and Second Year Students.)
20	F.	Lord Strathcona died, 1914.
21	S.	Dr. Wm. Caldwell died, 1833.
22	**S.**	Queen Victoria died, 1901.
23	M.	
24	Tu.	New Brunswick Prof. Exams.
25	W.	
26	Th.	Second Term begins.
27	F.	Dr. A. A. Browne died, 1910.
28	S.	
29	**S.**	Charter granted to Montreal General Hospital, 1823.
30	M.	Meeting of Governors.
31	Tu.	

2nd Month FEBRUARY xxviii days 1922.

1	W.	
2	Th.	
3	F.	Dr. Sutherland died, 1875.
4	S.	
5	**S.**	Willis born, 1622.
6	M.	
7	Tu.	
8	W.	Meeting of Corporation.
9	Th.	
10	F.	
11	S.	
12	**S.**	
13	M.	
14	Tu.	
15	W.	Laennec born, 1781. John Hunter born, 1728. Dr. Archibald Hall died, 1868. Prof. Wesley Mills died, 1915.
16	Th.	
17	F.	
18	S.	
19	**S.**	
20	M.	
21	Tu.	
22	W.	
23	Th.	Albinus born, 1697.
24	F.	Morgagni born, 1682.
25	S.	
26	**S.**	
27	M.	Meeting of Governors.
28	Tu.	

3rd Month MARCH xxxi days. 1922.

1	W.	Ash Wednesday. (No lectures.)
2	Th.	
3	F.	
4	S.	
5	**S.**	
6	M.	
7	Tu.	
8	W.	
9	Th.	
10	F.	Malphighi born, 1628.
11	S.	
12	**S.**	
13	M.	
14	Tu.	
15	W.	
16	Th.	Prof. J. C. Cameron died, 1912.
17	F.	
18	S.	
19	**S.**	
20	M.	
21	Tu.	
22	W.	
23	Th.	
24	F.	
25	S.	
26	**S.**	
27	M.	Dr. R. P. Howard died, 1889. Meeting of Governors.
28	Tu.	
29	W.	
30	Th.	
31	F.	

4th Month APRIL xxx days. 1922.

1	S.	
2	**S.**	
3	M.	Abernethy born, 1764. Prof. Exams. Alberta.
4	Tu.	
5	W.	
6	Th.	
7	F.	
8	S.	
9	**S.**	
10	M.	
11	Tu.	Sydenham born, 1624. Prof. James Bell died, 1911.
12	W.	Meeting of Corporation.
13	Th.	
14	F.	Good Friday. (No lectures.)
15	S.	
16	**S.**	Dr. William Wright died, 1908. Medical building burned, 1907.
17	M.	Manitoba Prof. Exams.
18	Tu.	
19	W.	
20	Th.	
21	F.	
22	S.	
23	**S.**	Shakespeare born, 1564.
24	M.	Meeting of Governors.
25	Tu.	
26	W.	
27	Th.	
28	F.	
29	S.	Lectures end.
30	**S.**	

5th Month MAY xxxi days. 1922.

1	M.	Montreal General Hospital opened for patients, 1822.
2	Tu.	
3	W.	
4	Th.	
5	F.	
6	S.	Edward VII. died, 1910. McGill General Hospital (No. 3) left for France, 1915-1919.
7	**S.**	
8	M.	Examinations begin.
9	Tu.	
10	W.	
11	Th.	
12	F.	
13	S.	
14	**S.**	Heberden born, 1710.
15	M.	
16	Tu.	
17	W.	Edward Jenner born, 1749. Prof. Exams. Nova Scotia.
18	Th.	
19	F.	
20	S.	
21	**S.**	Dr. Scott died, 1883.
22	M.	
23	Tu.	
24	W.	Victoria Day.
25	Th.	
26	F.	
27	S.	
28	**S.**	Dr. G. W. Campbell died, 1882. John H. R. Molson died, 1897.
29	M.	Meeting of Governors.
30	Tu.	
31	W.	

6th Month JUNE xxx days. 1922.

1	TH.	Prof. Exams. Quebec.
2	F.	
3	S.	George V. born, 1865. Corner-stone Mont. Gen. Hospital laid, 1821.
4	S.	
5	M.	Prof. Exams. Ontario. Opening of New Medical Building, 1911. Eustachius died, 1574.
6	TU.	
7	W.	
8	TH.	
9	F.	
10	S.	
11	S.	
12	M.	
13	TU.	Med. Council of Canada Exams.
14	W.	Meeting of Corporation.
15	TH.	
16	F.	Sir William Macdonald died, 1917.
17	S.	
18	S.	
19	M.	Dr. Wyatt Johnston died, 1902. Rolando born, 1773.
20	TU.	
21	W.	
22	TH.	
23	F.	
24	S.	
25	S.	
26	M.	Meeting of Governors. Dr. George Fenwick died, 1894. Dr. Robert Craik died, 1906.
27	TU.	New Brunswick Prof. Exams. Mont. Med. Institution became Med. Fac., 1829.
28	W.	
29	TH.	
30	F.	

Governing Body of the University.

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HIS EXCELLENCY THE MOST NOBLE VICTOR CHRISTIAN WILLIAM CAVENDISH, DUKE OF DEVONSHIRE, K.G., P.C., G.C.M.G., G.C.V.O.

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C. E. NEILL, Esq.

P. P. COWANS, Esq.

RIGHT HON. LORD ATHOLSTAN, LL.D.

Officers and Members of the Faculty Since its Origin

DEANS.

Dr. W. Robertson, official head of the Montreal Medical Institution, 1823, succeeded by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary. Dr. A. F. Holmes was the first Dean, 1854.

Geo. W. Campbell, 1860.
Robt. Craik, 1889.
R. P. Howard, 1882.
George Ross (Vice-Dean), 1889.
Thomas G. Roddick, 1901.
Francis J. Shepherd, 1908.
Herbert S. Birkett, 1914.

REGISTRARS.

John Stephenson, 1829.
William Wright, 1864.
William Osler, 1877.
Jas. Stewart, 1884.
Archibald Hall, 1842.
Robt. Craik, 1869.
F. J. Shepherd, 1883 (acting).
R. F. Ruttan, 1891.
E. M. Eberts, 1902.
J. W. Scane, 1903.

CHAIR OF MEDICINE.—(Founded 1824.)

William Caldwell, 1824.
Andrew F. Holmes, 1842.
George Ross, 1889.
F. G. Finley, 1907.
William Robertson, 1883.
R. Palmer Howard, 1860.
James Stewart, 1893.
C. F. Martin, 1907.
H. A. Lafleur, 1907.

CHAIR OF SURGERY.—(Founded 1824.)

John Stephenson, 1824.
Geo. E. Fenwick, 1875.
G. W. Campbell, 1835.
T. G. Roddick, 1890.
Jas. Bell, Asst. Prof., 1891; Prof., 1907.
George E. Armstrong, 1907.
J. A. Hutchison, 1913.

CHAIR OF OBSTETRICS.—(Founded 1824.)

William Robertson, 1824.
Geo. W. Campbell, 1835.
Archibald Hall, 1854.
Arthur A. Brown, 1883.
John Racey, 1883.
Michael McCulloch, 1842.
D. C. MacCallum, 1868.
J. Chalmers Cameron, 1886.
W. W. Chipman, 1913.

CHAIR OF ANATOMY.—(Founded 1824.)

John Stephenson, 1824.
Oliver T. Bruneau, 1842.
Wm. E. Scott, 1856.
Francis J. Shepherd, 1883.
A. C. Geddes, 1913.
S. E. Whitnall, 1919.

CHAIR OF CHEMISTRY.—(Founded 1824.)

Andrew F. Holmes, 1824.
Archibald Hall, 1842.
William Sutherland, 1849.
Robert Craik, 1867.
Gilbert P. Girdwood, 1879.
R. F. Ruttan, 1902.

CHAIR OF PRACTICAL CHEMISTRY.—(Founded 1872.)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

CHAIR OF PHYSIOLOGY.—(Founded 1824, Endowed 1897.)

John Stephenson, 1824.
Stephen C. Sewell, 1842.
Robert L. Macdonnell, 1845.
William Fraser, 1849.
Joseph M. Drake, 1868.
Willam Osler, 1874.
Wesley Mills, 1886.
N. H. Alcock, 1911.
G. R. Mines, 1914.
John Tait, 1919.

CHAIR OF PHARMACOLOGY AND THERAPEUTICS.

(Founded 1824.)

Andrew F. Holmes, 1824.
Archibald Hall, 1835.
Stephen C. Sewell, 1842.
A. Hall, 1849.
William Wright, 1854.
James Stewart, 1883.
A. D. Blackader, 1891.
H. G. Barbour (Pharmacology), 1921.

CHAIR OF BOTANY.—(Founded 1829.)

Andrew F. Holmes, 1829.
James Barnston, 1857.
Dr. Papineau, 1845.
J. W. Dawson, 1858.
J. W. Dawson, 1855.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

CHAIR OF CLINICAL MEDICINE.—(Founded 1845.)

James Crawford, 1845 and 1852.
Richard L. MacDonnell, 1889.
Stephen C. Sewell, 1850.
R. Palmer Howard, 1856.
Duncan C. MacCallum, 1860.
Joseph M. Drake, 1872.
George Ross, 1872.
Robt. L. Macdonnell, 1849.
F. G. Finley, 1907.
James Stewart, 1891.
H. A. Lafleur, 1907.
C. F. Martin, 1907.

CHAIR OF CLINICAL SURGERY.—(Founded 1845.)

James Crawford, 1845.
Duncan C. MacCallum, 1856.
George E. Fenwick, 1867.
William E. Scott, 1852.
Robert Craik, 1860.
Thomas G. Roddick, 1875.
James Bell, 1894.
Geo. E. Armstrong, 1907.
J. A. Hutchison, 1913.

CHAIR OF MEDICAL JURISPRUDENCE.—(Founded 1845.)

William Fraser, 1845.
Francis C. T. Arnoldi, 1850.
William Wright, 1852.
Duncan C. MacCallum, 1860.
William Gardner, 1875.
Francis Badgley, 1849.
William E. Scott, 1851.
R. Palmer Howard, 1854.
George E. Fenwick, 1867.
George Wilkins, 1883.
D. D. MacTaggart, 1911.

CHAIR OF HYGIENE AND PUBLIC HEALTH.

(Founded 1871, Endowed 1893.)

George Ross, 1871.
Robert T. Godfrey, 1875.
R. L. MacDonnell, 1886.
Wyatt Johnson, 1902.
Thomas G. Roddick, 1873.
William Gardner, 1879.
Robert Craik, 1889.
T. A. Starkey, 1902.

CHAIR OF OPHTHALMOLOGY AND OTOLOGY.

(Founded 1883.)

Frank Buller, 1883.

CHAIR OF GYNÆCOLOGY.—(Founded 1883.)

William Gardner, 1883.
W. W. Chipman, 1910.

CHAIR OF PATHOLOGY.—(Founded 1892, Endowed 1893.)

J. Geo. Adami, 1892-1919.
H. Oertel, 1919.

CHAIR OF LARYNGOLOGY.—(Founded 1893.)

G. W. Major, 1893.
H. S. Birkett, 1895.

CHAIR OF ZOOLOGY.

E. W. MacBride, 1902.
Arthur Willey, 1910.

CHAIR OF OTO-LARYNGOLOGY.—(Founded 1906.)

H. S. Birkett, 1906.

CHAIR OF OPHTHALMOLOGY.—(Founded 1906.)

J. W. Stirling, 1906.

CHAIR OF HISTORY OF MEDICINE.—(Founded 1907.)

Andrew Macphail, 1907.

CHAIR OF BIO-CHEMISTRY.—(Founded 1919.)

A. B. Macallum, 1919.

Benefactors of the Faculty of Medicine.

I.—Leanchoil Endowment.

This endowment, established in 1883, has been invested and the interest applied to the general expenses of the Faculty.

Lord Strathcona and Mount Royal, G.C.M.G.....$50.00

II.—Campbell Memorial Endowment.

Established in 1883 to commemorate the services rendered to the Faculty during forty years of the late Dean, George W. Campbell, M.D., LL.D.

This fund has also been invested, and the income from it utilized for general expenses of the Faculty.....$48,906

III.—The Drake Endowment.

Given as a donation from 1891 to 1897, $500 per annum towards the expenses of the chair of Physiology.

Endowment of the Joseph Morley Drake chair of Physiology.

Walter Drake and Esther Maria Drake.....$25,000

IV.—The Dr. Geo. Major Donation.

Prof. Geo. Major in 1892 contributed $500 towards the Chair of Pathology.

Dr. Geo. Major..... $500

V.—The Dow Bequest.

A bequest from the late Mrs. Mary Dow in 1892, the interest from which is devoted to the general expenses of the Faculty.

The late Mrs. Mary Dow.....$10,000

VI.—The Mrs. John McDougall Donation.

A donation from Mrs. John McDougall in 1892 to bear Dr. Craik's name, the interest on which is applied to the general expenses of the Medical Faculty.

Mrs. John McDougall.....$1,000

VII.—The Molson Fund.

A donation from the late Mr. John H. R. Molson in 1892 to enable the Faculty to purchase land and erect an additional wing to its buildings.

John H. R. Molson.....$60,000

VIII.—The Lord Strathcona and Mount Royal Endowment.

An endowment in 1893 of the chairs of Pathology and Sanitary Science.

Lord Strathcona and Mount Royal.....$100,000

IX.—The Learmont Bequest.

A bequest in 1894, from Miss Jane Learmont, to bear Dr. Craik's name, the interest on which is applied to the general expenses of the Faculty.

The late Miss Jane Learmont.....$3,000

X.—The Lord Strathcona and Mount Royal Building Fund.

A donation in 1898 in the names of Lady Strathcona and the Honorable Mrs. Howard, to enable the Faculty to meet the increased demand for laboratory accommodation.

Lady Strathcona.....$50,000
Hon. Mrs. Howard.....$50,000

XI.—The David Morrice Donation.

In 1901, Mr. David Morrice donated the sum of $5,250 for the equipment and carrying on of research work in the "Eddie Morrice" laboratory of Pharmacology.....$5,250

XII.—The Lord Strathcona Donation.

In 1904, Lord Strathcona presented a further sum of $50,000 to meet the increased expenditure of the Faculty.

Lord Strathcona.....$50,000

XIII.—The James Ross Donation.

During the session of 1905-06 Mr. James Ross contributed the sum of $350.00 to meet the expense of some special research work in the department of Pathology and Bacteriology..... $350

XIV.—The H. W. Thornton Memorial Fund.

This fund of $3,000 was given in 1908 through Dr. J. J. Gardner to commemorate the name of Dr. H. W. Thornton, of New Richmond, Que. The interest on this amount to be applied to the purchase of foreign journals for the Medical Library..... $3,000

XV.—The Lord Strathcona Building Fund.

In July, 1909, Lord Strathcona gave $450,000 to provide for the completion of the museum and the west wing of the new Medical Building..... $450,000

XVI.—The Medical Faculty Relief Fund.

This fund has been subscribed by the graduates in medicine in response to an appeal for aid to meet the loss sustained by the destruction of the Medical Building in the spring of 1907..... $12,571

XVII.—The Lord Strathcona Equipment Fund.

In June, 1911, on the occasion of the opening of the New Medical Building, Lord Strathcona gave the sum of $100,000 to complete the equipment of the new building.....$100,000

XVIII.—The Arthur Browne Memorial Fund.

During the session 1910-11 the sum of $10,000 was received from the Committee in charge of the Arthur Browne Memorial Fund. .$10,000

XIX.—The John Baillie Donation.

In 1911, Mr. John Baillie gave the sum of $500 per year for three years for special research in the Department of Experimental Medicine..... $1,500

XX.—The Dr. James Douglas Fund.

In 1911, Dr. James Douglas, of New York, gave the sum of $25,000 as a special fund to found a Fellowship in Pathology and Clinical Research..... $25,000

XXI.—The Edward McDougall Morrice Endowment.

In 1911, Mr. David Morrice gave the sum of $10,000 in memory of Edward McDougall Morrice as an endowment for research in the Department of Pharmacology..... $10,000

For the same object the D. Morrice Co. gave the sum of $2,500, Mr. R. B. Morrice the sum of $500, and Dr. A. D. Blackader the sum of $1,000..... $4,000

XXII.—The Robert Reford Endowment.

In 1911, Mr. Robert Reford gave the sum of $100,000 as an endowment for the Department and Chair of Anatomy.....$100,000

XXIII.—The James Cooper Endowment.

In 1912, the sum of $60,000 was received from the estate of the late Mr. James Cooper as an endowment for study and research in internal and experimental medicine..... $60,000

XXIV.—The Dr. Casey Wood Donation.

In 1904, Dr. Casey A. Wood, of Chicago, gave the sum of $1,000 for the maintenance of the section of Ophthalmology in the Medical Library..... $1,000

XXV.

In 1914, The Executors of the Estate of the late Dr. Lorne Campbell gave the sum of £200 to replace the portrait of the late Dr. Geo. W. Campbell..... £200

XXVI.

In 1918, the sum of $500,000 was received from the Estate of the late Sir William Macdonald, Chancellor of the University, the proceeds to be used for the general expenses of the Faculty.....$500,000

Faculty of Medicine.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D., Principal.

HERBERT S. BIRKETT, C.B., M.D., Dean.

J. W. SCANE, M.D., Assistant Dean.

EMERITUS PROFESSORS.

SIR THOMAS G. RODDICK, Kt., M.D., LL.D. (Edin. and Queen's), F.R.S.C., Eng. (Hon.), Surgery, 705 Sherbrooke Street West.

WILLIAM GARDNER, M.D., Gynæcology, 457 Sherbrooke Street West.

FRANCIS J. SHEPHERD, M.D., LL.D. (Edin. and Harv.), F.R.S.C. (Hon.), Edin. and Eng., Anatomy, 152 Mansfield Street.

ALEX. D. BLACKADER, M.A., M.D., Pharmacology and Therapeutics and Pediatrics, 236 Mountain Street.

PROFESSORS.

R. F. RUTTAN, B.A., M.D., D.Sc., F.R.S.C., Professor of Chemistry, 660 Sherbrooke Street West.

F. G. FINLEY, C.B., M.B. (Lond.), M.D., Professor of Medicine and Clinical Medicine, 273 Bishop Street.

HENRY A. LAFLEUR, B.A., M.D., Professor of Medicine and Clinical Medicine, 215 Peel Street.

GEORGE E. ARMSTRONG, C.M.G., M.D., LL.D. (Queen's), D.Sc. (Liverpool), Professor of Surgery and Clinical Surgery, 320 Mountain Street.

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J. W. STIRLING, M.B. (Edin.), M.D., Professor of Ophthalmology, 388 Sherbrooke Street West.

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ARTHUR WILLEY, D.Sc., F.R.S., Professor of Zoology, McGill College.

W. W. CHIPMAN, B.A., M.D. (Edin.), F.R.C.S. (Edin.), Professor of Obstetrics and Gynæcology, 285 Mountain Street.

J. ALEX. HUTCHISON, C.B.E., M.D., L.R.C.P. & S. (Edin.), Professor of Surgery and Clinical Surgery, 354 Mackay Street.

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A. B. MACALLUM, M.A., Ph.D., D.Sc., LL.D., F.R.S., Professor of Biochemistry, McGill College.

H. G. BARBOUR, A.B., M.D., Professor of Pharmacology, McGill College.

The above Professors constitute the Faculty of Medicine.

Other Officers of Instruction.

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E. M. Eberts, M.D., Assistant Professor of Surgery and Clinical Surgery, 219 Peel Street.

W. Harvey-Jellie, M.A., B.D. (London), Assistant Professor of English, 79 St. Mark Street.

LECTURERS.

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W. M. Fisk, M.D., Lecturer in Histology, 98 Park Avenue.

W. L. Barlow, B.A., M.D., Lecturer in Surgery and Clinical Surgery, cor. Roslyn Avenue and Sherbrooke Street.

Maude E. Abbott, B.A., M.D. (Bishop's), M.D. Hon. (McGill), L. R.C.P. and S. (Edin.), Lecturer in Pathology and Curator of the Pathological Museum, McGill College.

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F. Green, M.D., Lecturer in Physiology, McGill College.

C. T. Crowdy, M.D., Lecturer in Pathology, Royal Victoria College.

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Myers Notkin, M.D., Lecturer in Zoology, McGill College.

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FELLOWS.

T. R. Waugh, B.A., M.A., M.D., Dr. James Douglas Fellow in Pathology, McGill College.

DEMONSTRATORS.

C. K. P. Henry, M.D., Demonstrator of Surgery and Clinical Surgery, 4549 Sherbrooke Street.

A. R. Pennoyer, M.D., Demonstrator of Surgery and Clinical Surgery, 418 Mackay Street.

C. F. Wylde, M.D., Demonstrator of Medicine and Clinical Medicine and of Pediatrics, 101 Crescent Street.

J. A. Nutter, B.A., M.D., Demonstrator of Orthopædic Surgery, 609 Drummond Building.

F. McKenty, M.D., F.R.C.S., Demonstrator of Surgery and Clinical Surgery, 648 Union Avenue.

R. H. M. Hardisty, M.C., B.A., M.D., Demonstrator of Medicine and Clinical Medicine, 52 McGill College Avenue.

J. G. Browne, M.D., Demonstrator of Medicine and Clinical Medicine, 294 Sherbrooke Street West.

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Hamilton White, B.A., M.D., Demonstrator of Oto-Laryngology, 589 Dorchester Street West.

C. F. Moffatt, M.D., Demonstrator of Medicine and Clinical Medicine, 9 Durocher Street.

J. T. Rogers, M.D., Demonstrator of Oto-Laryngology, 758 Sherbrooke Street West.

W. J. Patterson, M.D., Demonstrator of Orthopedic Surgery, 386 Sherbrooke Street West.

R. E. Powell, M.D., Demonstrator of Genito-Urinary Surgery, 132 Crescent Street.

W. E. Enright, B.A., M.D., Demonstrator of Pediatrics, 4166 Dorchester Street West.

Wesley Bourne, M.D., Demonstrator of Pharmacology, 42 St. Mark Street.

D. G. Campbell, M.D., Demonstrator of Medicine and Clinical Medicine, 755 Shuter Street.

A. G. Morphy, M.D., Demonstrator of Psychiatry, 761 Sherbrooke Street West.

J. MacMillan, M.D., Demonstrator of Ophthalmology, 129 Stanley St.

A. G. McAuley, M.D., Demonstrator of Ophthalmology, 579 Dorchester Street West.

A. H. MacCordick, M.D., Demonstrator of Medicine and Clinical Medicine and of Clinical Chemistry, 131 Stanley Street.

C. C. Birchard, M.D., Demonstrator of Medicine and Clinical Medicine, McGill College.

E. E. Robbins, M.D., Demonstrator of Medicine and Clinical Medicine, 1963 Park Avenue.

D. MacCallum, M.D., Demonstrator of Medicine and Clinical Medicine, 154 Drummond Street.

H. A. Sims, M.D., Demonstrator of Psychiatry, 133 Durocher Street.

A. H. Pirie, M.D., Demonstrator of Roentgenology, McGill College.

W. A. Wilkins, M.D., Demonstrator of Roentgenology, Montreal General Hospital.

W. J. Scott, M.D., Demonstrator of Pathology, Montreal General Hospital.

V. Henry, B.A., M.Sc., Demonstrator of Physics, McGill College.

D. Sclater Lewis, M.Sc., M.D., Demonstrator of Medicine and Clinical Medicine and of Clinical Therapeutics, 166 Crescent Street.

H. P. Wright, B.A., M.D., Demonstrator of Clinical Chemistry and Assistant Demonstrator in Pediatrics, 52 McGill College Avenue.

J. F. Logan, M.A., Demonstrator of General Chemistry and John McCrae Scholar, McGill College.

L. M. Lindsay, M.D., Demonstrator of Pediatrics, 52 McGill College Avenue.

N. Viner, M.D., Demonstrator of Neurology, 133 Bishop Street.

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H. N. Segall, M.D., Demonstrator of Pathology and Assistant Curator of Museum, 162 De la Roche Street.

G. J. Cassidy, M.D., Assistant in Physiology, McGill College.

L. Notkin, M.D., Assistant in Physiology, 140 Cherrier Street.

A. D. Campbell, M.D., Senior Demonstrator of Anatomy, 1026 Dorchester Street West.

R. B. Malcolm, M.D., Demonstrator of Anatomy, 295 Querbes Ave.

L. H. McKim, M.D., Demonstrator of Anatomy, 4880 Sherbrooke Street West.

G. A. Fleet, M.D., Demonstrator of Anatomy, 553 Papineau Avenue.

A. Ross, M.C., B.A., M.D., Demonstrator of Anatomy, 151 Decarie Blvd.

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L. L. Reford, M.D., Demonstrator of Anatomy, 307 Pine Ave. West.

I. Rabinovitch, M.D., Demonstrator in Medicine and Clinical Medicine, Montreal General Hospital.

GUY JOHNSON, M.A., M.D., F.R.C.S., Edin., Demonstrator of Anatomy and Assistant Demonstrator of Surgery and Clinical Surgery, 453 Sherbrooke Street West.

E. C. LEVINE, M.D., Demonstrator of Surgery and Clinical Surgery, 271 Bishop St.

C. R. BOURNE, M.D., Demonstrator of Medicine and Clinical Medicine, 4174 St. Catherine Street West.

ASSISTANT DEMONSTRATORS.

W. H. SMYTH, B.A., M.D., Assistant Demonstrator of Surgery and Clinical Surgery, 4822 Western Avenue.

H. D. BALLON, B.A., M.D., Assistant Demonstrator of Oto-Laryngology, 255 Bishop Street.

J. ROSENBAUM, M.D., Assistant Demonstrator of Ophthalmology, 36 Sherbrooke Street West, Apt. 2

D. MENDEL, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 1729 Park Avenue.

A. BRAMLEY-MOORE, M.D., Assistant Demonstrator of Ophthalmology, 820 Dorchester Street West.

R. P. WRIGHT, D.S.O., C.M.G., M.D., Assistant Demonstrator of Oto-Laryngology, 637 Union Avenue.

G. E. HODGE, M.D., Assistant Demonstrator of Oto-Laryngology, 603 Dorchester Street West.

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ALTON GOLDBLOOM, B.A., M.D., Assistant Demonstrator of Pediatrics, 199 Bishop Street.

A. B. CHANDLER, M.D., Assistant Demonstrator of Pediatrics, 131 Bishop Street.

F. R. BROWN, M.D., Assistant Demonstrator in Medicine and Clinical Medicine, 104 Crescent Street.

J. TROSSMAN, M.D., Assistant Demonstrator of Pathology.

P. HEINBECKER, B.A., M.D., Assistant Demonstrator of Pathology, McGill College.

W. DE M. SCRIVER, B.A., M.D., Assistant Demonstrator of Pathology, 4425 St. Catherine Street West.

S. W. BRITTON, Cooper Scholar in Physiology, McGill College.

FACULTY OF MEDICINE.

The Ninetieth session of the Faculty will be opened on October 1st, 1921. The regular lectures in all subjects will begin on October 3rd, at the hours specified in the time-tables, and will continue until April 30th, 1922.

FOUNDATION AND EARLY HISTORY.

The Faculty of Medicine of McGill University is the direct outcome and continuance of a teaching body known as the Montreal Medical Institution, which was organized as a medical school in the years 1823-24 by Drs. Wm. Robertson, Wm. Caldwell, A. F. Holmes, John Stephenson and H. P. Loedel. These men constituted the first medical staff of the Montreal General Hospital, itself established in 1819. The first session of the Montreal Medical Institution opened in November, 1824, with 25 students, and the lectures were given at the house of the Institution, No. 20 St. James Street, a building situated on the north side of St. James Street, at or near Place d'Armes.

In the year 1829, the Montreal Medical Institution became, by the formal act of the Governors of the Royal Institution for the Advancement of Learning, the Medical Faculty of McGill University. It is thus the oldest Faculty of the University. The first session of the McGill Medical Faculty took place in the winter of 1829-30, and the first university degree, a medical one, was conferred four years later, in 1833.

There were no sessions held during the political troubles of 1836 to 1839, and it is owing to this fact that this is the ninetieth instead of the ninety-third session of the Faculty, dating from its incorporation with the University in the year 1829.

The work of the Faculty was carried on in the central part of the city until 1872, when a building was provided by the Governors on the University grounds. This building met the demands of the steadily increasing number of students until 1885, when an addition was found to be necessary.

In 1893, and again in 1898, further extensions and alterations were made, funds for the purpose having been provided by generous friends of the Faculty.

On the 16th of April, 1907, a part of these new buildings, together with the original medical building, was destroyed by fire. The wing containing the principal laboratories and lecture rooms was saved, however, and is now used by the Departments of Physiology and Medical Chemistry.

The erection of a new building was at once begun on a new site, at the corner of Pine Avenue and University Street, and in 1910 the greater part of it was ready for occupation. In 1911 it was wholly available for the work of the Faculty.

Matriculation.

All inquiries relating to the examinations for entrance should be addressed to the Registrar of the University.

No student will be permitted to register in the Faculty of Medicine unless he has completely satisfied the matriculation requirements of the University.

For the session 1921-22, the minimum entrance requirements will be Junior Matriculation, as described on the following pages. For 1922-23, the requirements will be Senior Matriculation or the first year in Arts taken in any recognized university and including as a minimum the following subjects:—English, History, Latin, French or German and Mathematics (Algebra, Geometry and Trigonometry).

1. Every student, before he can be enregistered as an undergraduate in Medicine, must present a certificate of having passed the Matriculation Examination of the Faculty of Medicine of this University, or of having passed some provincial, state or university examination accepted by this University.

2. Graduates in Arts of any recognized university and (for 1921-22) those who have passed the entrance examination of a provincial medical council, and thus become enregistered students in medicine of a province in Canada, are exempt from further preliminary examination.

3. Matriculation examinations (for entrance into all Faculties) are held in June and September—in June at McGill University and local centres; in September at Montreal only, except in cases which require special consideration.

For the convenience of candidates in Great Britain, who are not otherwise qualified for entrance, an examination will be held regularly in London, Eng., each year, commencing on or about the 12th of June. Full information regarding the exact date of the examination, fee, etc., may be obtained from the Honorary Representative of the University, W. A. Bulkeley-Evans, Esq., M.A., Secretary, Headmasters' Conference, 5 Paper Buildings, Temple, London, E.C. 4.

4. Every candidate for examination is required to fill up an application form and return the same with the necessary fee (for which see page 37) one month before the examination begins. Blank forms may be obtained from the Registrar.

No application for examination in June will be received after May 20th.

5. The matriculation examination may be taken in two parts, but in order to be valid for entrance it must be completed within two years from date of the first attempt. Credit will not be given for less than four papers passed at one time,* except in the case of those who are not required to take as many as four papers to complete the examination; nor will credit be given for less than four papers on certificates, which may be presented for exemption from the matriculation examination, and no certificate will be accepted which has been obtained under easier conditions than those which are imposed on candidates who are attempting to qualify for entrance by taking the regular University examination.

6. A candidate in order to pass must obtain at least 50 per cent. of the total number of marks allowed for each subject in subjects in which two papers are set, 50 per cent. on the two and not less than 40 per cent. in either.

This regulation also applies in the case of candidates who present certificates.

Intending students who wish to enter by certificates should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high (see regulation 7). Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

7. The certificates and diplomas named below will, if submitted to the registrar, be accepted *pro tanto* in lieu of the matriculation examination, *i.e.*, in so far as the subject and standard of the examination taken to obtain them are, to the satisfaction of the Matriculation Board, equivalent to those required for the matriculation examination of this University. Candidates offering certificates which are not a full equivalent will be required to pass the matriculation examination in such of the required subjects as are not covered thereby:—

Province of Quebec.

The University School Leaving Certificate.
The Intermediate School diploma.

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* For the purpose of this regulation the June and September examinations of the same year will be considered as "one time."

Province of Ontario.

Certificate of admission to the Normal School.
Junior matriculation certificate.

Province of New Brunswick.

First Class, Superior and Grammar School licenses.
Grade XI and XII certificates.

Province of Nova Scotia.

The Leaving Certificate of Grade XI.

Province of Prince Edward Island.

First Class Teachers' license.
Second Year certificate of Prince of Wales College.

Province of British Columbia.

Intermediate Grade certificate.

Province of Manitoba.

Second Class Teachers' certificate.

Provinces of Alberta and Saskatchewan.

The Departmental Certificate of Standard XI.

Newfoundland.

Associate Grade certificate.

United States.

Certificates granted by the College Entrance Examination Board, and by the New York State Board of Regents.

Great Britain.

The holder of a higher certificate or a school certificate of the Oxford and Cambridge Schools Examination Board, of the senior certificate of the Oxford or Cambridge Board of Examiners, of a first class certificate of the College of Preceptors, or of a higher examination certificate of the Scotch and Welsh Education Departments, is entitled to exemption from the matriculation examination *pro tanto*, if he has at one and the same examination passed in certain specified subjects.

Applications for exemption from the matriculation examination, based upon certificates of having passed examinations other than those

above mentioned, will be considered as occasion may require by the Matriculation Board. Every such application must be accompanied by certificates and full particulars, and should be addressed to the Registrar.

Woman Students.

Women students may register in the double course for the degree of B.Sc. and M.D., or of B.A. and M.D. Those having the degree of B.A. or B.Sc. in Arts from a recognized university or who have taken two years in the Arts course at a recognized university may register in the regular course for the degree of M.D., C.M.

Matriculation Examination Fees.

For an examination in six or more papers.....	$7.00
(For examination at a local centre where not more than four candidates are writing, the fee will be determined by the Registrar.)	
For an examination in from three to five papers.....	4.00
For an examination in one or two papers.....	2.00
For examination of certificates, in respect of which candidates are exempted from the whole of the matriculation examination	2.00

Matriculation examination fees must be sent to the University Registrar at the time of application for the examination. No application will be accepted unless accompanied by the regular fee.

Certificates will be issued to successful candidates without additional fee.

Subjects of Examination.

1. **English** (two papers).
2. **History** (one paper).
3. **Latin** (two papers).
4. **Elementary Mathematics** (Algebra, one paper and Geometry, one paper).
5. One of the following:
   Botany, Chemistry, Physics, Physiography (one paper).
6. One of the following:
   Greek, French, German (two papers).

The requirements in each subject may be learned by writing to J. A. Nicholson, M.A., University Registrar.

In addition to the certificates mentioned on pages 35 and 36 the following are accepted *pro tanto* in lieu of the matriculation examination in this faculty:—

(1) The degree of Bachelor of Arts obtained from any recognized university.

(2) A certificate of having passed the examination of a Provincial Medical Council.

Those who intend to practise medicine in any of the provinces of Canada will obtain information regarding registration and admission to study by corresponding with the Registrars of the several Provincial Medical Councils. (*See page* 40.)

PHYSICAL EXAMINATION, VACCINATION AND HEALTH.

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative.

Students of all years in advance of the first, who wish to engage in athletic activities, are also required to be physically examined. Special days will be set aside early in the session for the examination of first and second year students.

By such examination physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics special exercise will be prescribed and instruction provided. The students will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for this examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

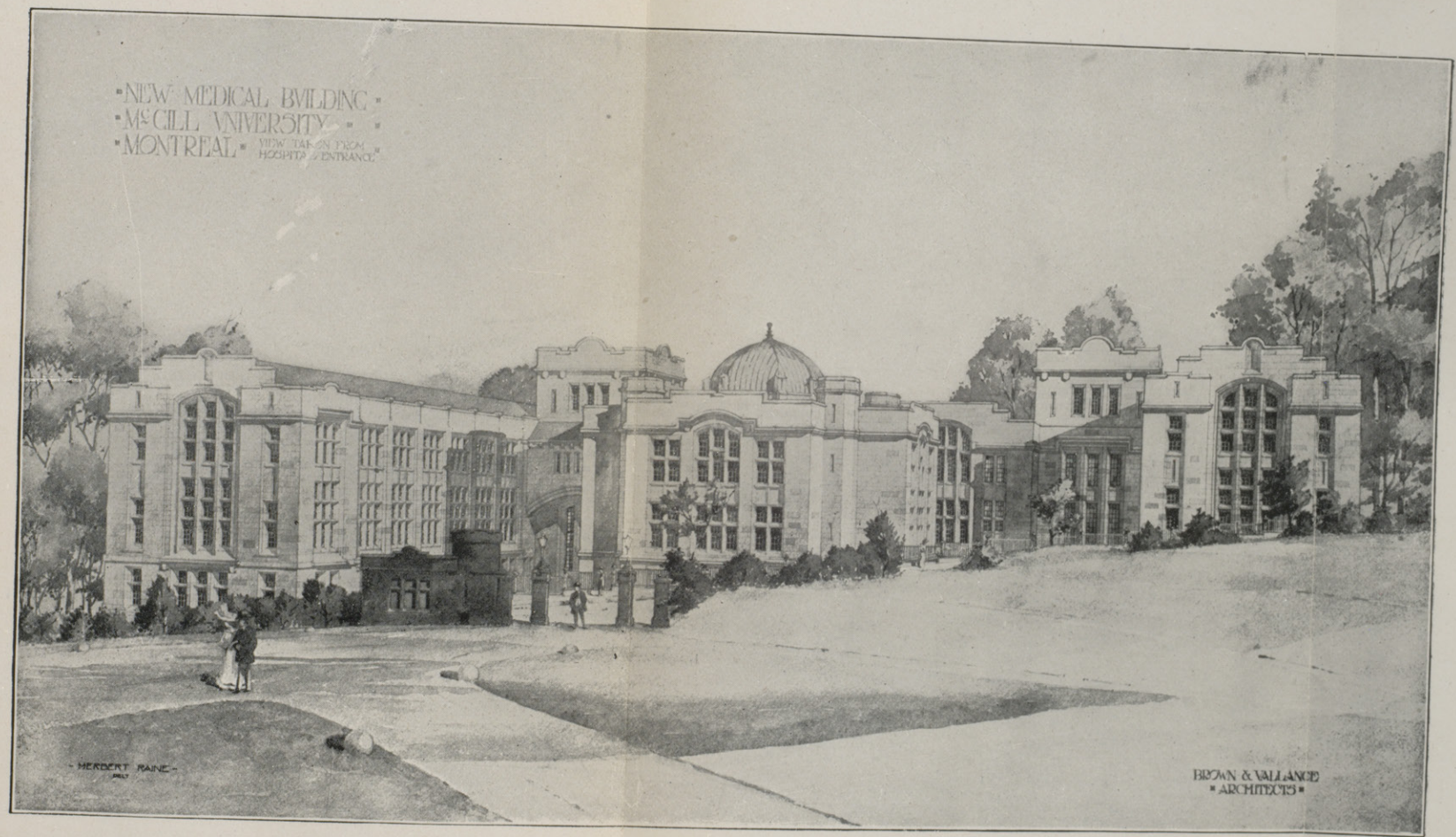
All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

Students of the first two years are required to devote two hours a week to some form of physical exercise.

The University provides medical attention for all undergraduates throughout the session.

Registration.

In order to prevent overcrowding of class rooms and clinics it has been decided to limit the number of students registering in the first year of the medical course to one hundred. Early application is advised and should be made on the regular forms to be had from the Registrar.



New Medical Building—Rear Elevation from Pine Avenue.

1. Candidates for entrance into the Faculty of Medicine, whether as undergraduates or partial students, are required, some time during the week preceding the opening day of the session, to attend at the office of the Registrar of the University, or such other place as he may designate, in order to furnish the information necessary for the University records, to register for the classes which they propose to attend, and to sign the following declaration in the matricula or register: "I hereby accept and submit myself to the statutes, rules and ordinances of McGill University and of the Faculty in which I am registered, and to any amendments which may be made while I am a student of the University, and I promise to observe the same."

Between September 21st and September 30th, both dates inclusive, students may register for the session 1921-22 at the Office of the University Registrar.

Application for Equivalent Standing.

Any student of another university who desires to be admitted to the Medical Department of this University with equivalent standing is requested to send his application to the Dean of the Medical Faculty, together with:—

1st.—A Calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—A complete statement of the course he has followed.

3rd.—A certificate of the standing gained, and of conduct. These will be submitted to the Faculty, who will decide what examination may be necessary before admitting the candidate.

Board and Residence.

Good board and lodging can be obtained in private houses in the vicinity of the University building at a cost of from $60 and upwards per month; or, separately, board at $45 to $55 per month; rooms from $15 to $20.

A list of suitable boarding and lodging houses is prepared about a fortnight before the opening of the session each year, and may be obtained on application to the Secretary of the Y.M.C.A., Strathcona Hall.

Excellent board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter, where meals are served *à la carte*.

Dormitory accommodation for about sixty is provided in Strathcona Hall, the home of the McGill Y.M.C.A. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will

also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

REQUIREMENTS FOR LICENSE TO PRACTICE.

Intending students are reminded that a University degree in Medicine does not always give a right to practise the profession of medicine. It is necessary to conform with the medical laws of the country or province in which it is proposed to begin practice. Each province in Canada at present has its special requirements for license, and in most provinces a special standard of general education is insisted upon before beginning the study of Medicine. Students who intend practising in Canada are warned that in certain of the provinces it is necessary to be registered five years before obtaining a license to practise. It follows that entrance qualifications must be registered in the province in which the student intends to practise at the beginning of his course in Medicine.

For the convenience of students, a list of names and addresses of the Registrars of the Medical Councils in the several provinces is here given. Every student should comply with the requirements for registration in one or other of the provinces, before entering on his course in the Faculty of Medicine.

QUEBEC.—Dr. J. Gauvreau, Dandurand Bldg., corner St. Catherine and St. Denis Streets, Montreal.

ONTARIO.—Dr. H. Wilberforce Aikins, 170 University Avenue, Toronto.

NEW BRUNSWICK.—Dr. S. S. Skinner, St. John.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Charlottetown.

NEWFOUNDLAND.—Dr. H. Rendell, St. John's.

MANITOBA.—Dr. J. E. Coulter, Winnipeg.

ALBERTA.—Dr. John Park, Edmonton.

SASKATCHEWAN.—Dr. G. A. Charlton, Regina.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver.

DOMINION REGISTRATION.

In order to take the examinations of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Council that he holds qualifications accepted and approved of by the Medical Council of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN.

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN.

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Councils of the Provinces of Quebec, Ontario, Nova Scotia, Prince Edward Island, Saskatchewan, Manitoba, British Columbia and New Brunswick. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain. He will thus be eligible for competitive examination for the Army, Navy and Civil Service, and will be allowed to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

Fees.

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on or before October 7th (if paid in instalments, the second instalment must be paid on or before February 1st). The registration ticket must be shown to the Bursar at the time of the first payment.

2. Immediately after October 20th, or February 5th (in the case of students who pay by instalments), the Bursar shall send to the Deans of the several Faculties a list of the registered students who have not paid their fees, on receipt of which the Deans shall cause their names to be struck from the register of attendance, and such students cannot be readmitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after October 20th shall pay their fees at the time of the registration, failing which they become subject to the provisions of Regulation 2.

4. The total Faculty fees for the medical course of six full sessions, including clinics, laboratory work, dissecting materials and reagents, will *be twelve hundred dollars,* payable in six annual instalments of $200.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $12.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees. *No fees will be refunded to partial students under any circumstances whatever.*

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid full fees elsewhere for the course taken. These students are also required to pay in addition the hospital fees exacted in the year to which they are admitted.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for half session, and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. The fee for the Degree of Doctor of Medicine and Master of Surgery is $30.00, to be paid by the successful candidate to the University Bursar immediately after the final examination. When the degree is conferred in absentia, an additional fee of twenty dollars will be exacted, unless the candidate has been specially exempted by the Faculty.

10. The fee for the course in Public Health, including the laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.



New Medical Building—Front Elevation from Campus.

Summary of Fees.

Class fees		$200.00
First instalment, if paid before October 7th	$102.00	
Second instalment, if paid before February 1st	102.00	
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	12.00	12.00
	$226.00	$222.00
Graduation fee (in final year)		$ 30.00

THE UNDERGRADUATE COURSE.

For all students registering after October, 1919, the course of instruction will consist of six sessions of eight months each.

The necessity for a further modification of the course has become apparent. Experience has shown that the average student entering medicine is deficient in preliminary training, especially in the scientific branches. In order to meet this defect a standard of matriculation equivalent to two years academic training will be required.

The work of these two years, which may be taken at any recognized University, will include the first year of the regular B.A. course and one year of Biology, Chemistry and Physics.

Following these two years preliminary training the Medical Course proper will be reduced to five years, the final year of which will be a purely hospital year and equivalent to giving each student before he graduates a year as hospital interne.

Full details as to the commencement of this new course, together with the curriculum, will be published later.

THE SIX YEARS' COURSE.

FIRST YEAR.

Biology:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Chemistry:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Physics:—Three hours' lectures and two two-hour laboratory periods throughout the session.

English:—A tutorial class in English expression and a lecture course comprising a study of some department of Scientific Literature.

SECOND YEAR.

Anatomy:—Gross Anatomy—Three hundred and thirty hours.

Histology and Embryology:—One hundred and twenty hours.

Physiology:—A course of sixty hours on general physiology and on human physiology.

Chemistry:—Organic Chemistry, fifty hours, and Bio-chemistry, one hundred and twenty hours.

THIRD YEAR.

Anatomy:—including Embryology and Histology, four hundred and eighty-hours.

Chemistry:—(Physiological) one hundred and twenty hours.

Physiology:—A course covering one hundred and eighty hours.

Bacteriology:—A course covering one hundred and five hours.

Pharmacy:—A six weeks course.

THE FIVE YEARS' COURSE.

THIRD YEAR.

Anatomy (Neurology).
Physiology.
Pathology (General).
Bacteriology.
Chemistry (Physiological and Clinical).
Parasitology.
Pharmacology.
Medicine (Clinical).
Surgery (Clinical).
Microscopy (Clinical).

In this year students visit the hospitals for the first time and receive instruction in small groups in the elements of clinical medicine and clinical surgery.

FOURTH YEAR.

Anatomy (Medical and Surgical).
Hygiene.
Medical Jurisprudence.
Pharmacology and Therapeutics.
Medicine and Clinical Medicine.
Surgery and Clinical Surgery.
Obstetrics.
Gynæcology.
Mental Diseases.
Ophthalmology.
Oto-Laryngology.
Pediatrics.
Pathology.

In this year two medical and two surgical theatre clinics are given weekly in the Montreal General and Royal Victoria hospitals. Out-patient clinics are given to groups of students twice weekly in gynæcology and once weekly in ophthalmology and oto-laryngology. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments. The work in hygiene consists of lectures, demonstrations and laboratory work.

FIFTH YEAR.

Medicine and Clinical Medicine.
Surgery and Clinical Surgery.
Obstetrics.
Gynæcology.
Ophthalmology.
Oto-Laryngology.
Pathology.
Dermatology.

In this year most of the students' time is spent in the hospitals. Theatre clinics are given twice weekly in each hospital in medicine and surgery. There are also daily ward classes to groups of students in these branches. In the out-patient departments of both hospitals clinics are given to groups of students in the various special branches of gynæcology, ophthalmology, oto-laryngology, dermatology, neurology, orthopædics, pediatrics and genito-urinary diseases. Clinics, ward classes and demonstrations in obstetrics are given in the Maternity Hospital. Students of the fourth and fifth years attend the Alexandra Hospital in groups for instruction in infectious diseases. The clinical instruction in mental diseases is given in the wards of the Protestant Hospital for the Insane at Verdun.

MEDALS, PRIZES AND FELLOWSHIPS.

1. **The Holmes Gold Medal,** founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

2. **The Sutherland Gold Medal,** founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland,

M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the third year.

3. **The Wood Gold Medal,** founded by Casey A. Wood, M.D., is awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical branches of the final year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

1. **The Final Prize.**—A prize in books, awarded for the best examination, written and oral, in the final branches. The Holmes' medalist is not permitted to compete for this prize.

2. **The Fourth Year Prize.**—A prize in books, awarded for the best examination, written and oral, in all the branches of the fourth year course.

3. **The Joseph Hils Prize.**—(Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks for a special examination in materia medica and therapeutics.

4. **The Third Year Prize.**—A prize in books awarded for the best examination, written and oral, in the branches of the third year.

5. **The Joseph Morley Drake, M.D., Prize.** (Founded by the late Joseph Morley Drake, M.D.).—A microscope, to be awarded to the student of the third year who obtains the highest number of marks for the examinations in pathology and bacteriology.

6. **The Second Year Prize.**—A prize in books for the best examination in all branches of the second year course.

7. **The First Year Prize.**—A prize in books for the best examination in all branches of the first year course.

The A. A. Browne Memorial Fellowship:—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship:—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to coördinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship:—A studentship in pathology, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The John McCrae Scholarship:—A scholarship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company as a permanent scholarship.

The Walter J. Hoare Memorial Scholarship:—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation into the Medical Faculty of McGill University.

QUALIFICATIONS FOR THE DEGREE.*

1. No one will be admitted to the degree of Doctor of Medicine and Master of Surgery who shall not have attended lectures for a period of five eight-month sessions in this University, or some other university, college or school of medicine, approved by this University. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University shall be required to pass an examination in primary subjects, and all examinations in the final subjects in the same manner as students of this University.

2. Candidates for the final examination shall furnish testimonials of attendance on the following branches of medical education; provided, however, that testimonials equivalent to, though not precisely the same as those stated, may be presented and accepted:—

Biology, General Chemistry, Practical Chemistry, Physics, Histology, Embryology, Anatomy and Practical Anatomy, Physiology and Practical Physiology, Organic Chemistry, Biological Chemistry, Physiological Chemistry, Pharmacy, General Pathology, Bacteriology, Clinical Microscopy, Pharmacology, Therapeutics, Medical Jurisprudence, Hygiene and Public Health, Medical and Surgical Anatomy, Operative Surgery, Special Pathology, Morbid Anatomy, Clinical Chemistry, Principles and Practice of Surgery, Clinical Surgery, Theory and Practice of Medicine, Clinical Medicine, Obstetrics and Diseases of Infants, Gynæcology, Pediatrics, Mental Diseases, Ophthalmology, Oto-Laryngology.

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*It should be understood that the programme and regulations regarding courses of study and examination contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole of a student's course, to the conditions here laid down.

He must also produce certificates of having assisted at six autopsies, of having dispensed medicine for a period of three months, of having assisted at twenty vaccinations, and of having, under the direction of a properly qualified anæsthetist, administered an anæsthetic at least six times.

Courses of less length than the above will only be received for the time over which they have extended.

3. No one will be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital, or of some other hospital of not fewer than 100 beds, approved by this University.

5. He must give proof of having acted as clinical clerk for six months in medicine and six months in surgery in the wards of a general hospital recognized by the Faculty, and of having reported at least ten medical and ten surgical cases.

6. He must also give proof of having attended for at least nine months the practice of the Montreal Maternity or other lying-in hospital approved by the University, and of having acted as assistant for at least twenty cases.

7. Every candidate for the degree must, on or before the 30th day of April, present to the Dean of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver an affirmation or affidavit that he has attained the age of twenty-one years.

8. The examination to be undergone by the candidate shall be in the subjects mentioned on page 45.

9. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum salutem persevaturum; tum porro artem medicam caute, caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum; quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the first year subjects, the marks obtained being added to the total marks obtained at the final examinations.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass and 75 per cent. for honours.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than three subjects of the first or second year and in not more than two subjects in the third and fourth years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Those who fail in more subjects than are above specified are not eligible for supplementary examinations.

Students who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

Students who fail at the examination held at the end of the first term may, at the discretion of the examiners, be granted supplemental examinations at a period not less than three months after the regular examinations.

A student who, after being registered in the first, second, third, or fourth years for three successive sessions, fails to qualify for advancement, or who, after being registered in the final year for three successive seasons, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Registrar at least three days before the date set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject.

MICROSCOPES.

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—$^{2}/_{3}$, $^{1}/_{6}$ and $^{1}/_{12}$ oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $125.00, as long as the supply lasts.

DOUBLE COURSES.

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years, of which the first two shall be taken in the Faculty of Arts, and the remaining six in the Faculty of Medicine. The course in Arts is as follows:—

First Year.

English.
History.
Mathematics.
Latin *or* **Greek.**
Any two additional languages.

Second Year.

English Composition.
Latin.
Any three of the following:
Economics and Political Science and History.
English.
French.
German.
Greek *or* **Latin.**
Philosophy.
Mathematics.

In the double course for the degrees of B.A., M.D., the degree of B.A. will be conferred on the completion of the above curriculum in Arts and of the second year in Medicine.

B.Sc., M.D.

This course in the physical and biological science is specially devised for students who might wish to proceed to a degree in Medicine or to advanced work in physiology, biological chemistry, pharmacology or allied subjects. Students intending to enter the Faculty of Medicine must pass the matriculation examination in Latin before admission to the third year of the B.Sc. course.

Graduates in this course are qualified to enter the third year in the Faculty of Medicine.

First Year.

English.
German.
Mathematics.
Physics.
Chemistry (as in first year Medicine).
French.

Second Year.

English Composition.
Physics.
Biology.
Chemistry (Quantitative and Qualitative Analysis).

COURSES OF LECTURES

BIOLOGY.

The course in Biology for Medical students is conducted, conjointly, by the University Departments of Botany and Zoology. It consists of three parts:—

Part I. (The Microscope).

Professor of Botany:—Francis E. Lloyd.
Lecturer in Biology:—George W. Scarth.

This part of the course deals with the rationale and simple technique of microscopic vision, including both light and dark field illumination. Twelve lectures and twelve laboratory periods (three of each per week during the first month of the session).

Part II. (Zoology).

Professor of Zoology:—Arthur Willey.
Assistant Professor:—J. Stafford.
Lecturer:—M. Notkin.

The course in elementary zoology is that part of the premedical curriculum which introduces the student to some of the terms and principles of animal biology. The manner in which the leading func-

tions of the body are performed in a number of selected types is explained, thereby preparing the mind for the reception of the more advanced instruction in human anatomy and physiology.

Text-books:—Wells and Davis.

Part III. (General Biology).

PROFESSOR:—FRANCIS E. LLOYD.
LECTURER:—GEORGE SCARTH.

This part of the course is a continuation of Part I. It consists of laboratory training in elementary general biology, dealing more especially with those aspects of the field best illustrated by plants; and of lectures based upon the laboratory experience.

Lectures, three per week and laboratory periods; two (each of three hours) per week from the close of Part II of the course to the end of the session.

CHEMISTRY.

(a) General and Organic Chemistry.

PROFESSOR:—R. F. RUTTAN.
ASSOCIATE PROFESSOR:—N. N. EVANS.
ASSISTANT PROFESSOR:—W. H. HATCHER.
DEMONSTRATORS:—E. H. BOOMER. J. DOLID. W. R. MCGLAUGHLIN. T. B. MILLAR. T. P. SHAW.

Instruction in General and Organic Chemistry for students in Medicine is given during a portion of each of the first two years.

First Year: During the first year the principles governing chemical action are studied in a systematic laboratory course. A printed synopsis of the work of each day is provided and necessary explanations given before beginning the work. The course includes a study of chemical phenomena; the preparation and properties of typical elements and compounds; the laws of chemical action; gravimetric and volumetric determinations, and a short course in qualitative analysis. The student is required to pay special attention to the keeping of an accurate record of his observations and calculations.

Note books for this purpose are provided and are examined and criticized by the demonstrators. Test examinations are held during the session.

During this year a course of experimental lectures in General Chemistry is given; three per week, with frequent reviews and examinations. This course is designed to familiarize the student with the characteristics of chemical action and the conditions which modify it, rather than a detailed study of the preparation and properties of the elements and their compounds. The course includes the elements of

physical chemistry and simple calculations. The application of chemistry to medicine is made especially prominent. An examination in general chemistry is held at the end of the session.

Second Year: A short introductory course of three lectures per week in organic chemistry is given during the first term. This forms a preparatory course leading up to the more complete study of organic substances of biological importance during the second term in the course on biological chemistry.

Students will find it greatly to their advantage to have a practical knowledge of elementary chemistry before entering upon the study of Medicine. Graduates in Arts of recognized universities, on presenting certificates of having taken courses in theoretical and practical chemistry, and of having passed examinations in the same, may be exempted from the chemistry of the first year.

Text-books:—General Chemistry—General Chemistry for Colleges (new edition), Alex. Smith; Organic Chemistry, Remsen.

(b) Bio-chemistry.

PROFESSOR:—A. B. MACALLUM.
ASSISTANT PROFESSOR:—G. E. SIMPSON.
DEMONSTRATOR AND JOHN MCCRAE SCHOLAR:—J. F. LOGAN.

The instruction in Bio-chemistry for students in Medicine is given in the second and third years.

The instruction in the second year includes a course of lectures, three a week, and practical laboratory classes, two a week for each student, in the second term. The lectures and laboratory classes will deal with the characters and composition of carbohydrates, fats, proteins and other important compounds that result from activity of animal and vegetable tissues and organs. Special attention will also be given to the properties of colloids in relation to the part they play in the constitution of living matter. This course is intended to serve as an introduction to the more advanced courses of instruction in Bio-chemistry in the third year.

Oral examinations will be held during the course, the results of which will, with those obtained from the written and practical examinations, determine the standing of the student in the final class lists in Bio-chemistry in the second year.

Third Year: An advanced course in Bio-chemistry to selected students, consisting of three lectures and two laboratory periods per week, is given throughout the autumn term. This course includes instruction in (a) the origin, character and the active properties of the various ferments of the digestive tract, (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body, (c)

the intermediate and the ultimate products of human metabolism, and (d) the chemistry of blood, muscle, bile and urine. In the practical courses special attention will be given to quantitative methods in the determination of the more important metabolites, such as urea, uric acid, creatin, creatinin, etc.

In addition to the written and practical examinations exacted of each student in this course, oral examinations will be held, and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Bio-chemistry for the year.

A laboratory course in *Clinical Chemistry* of six weeks' duration is given at the beginning of the second term. In this course the student is made familiar with the practical methods for the chemical and physical examination of urine, fæces, blood, stomach contents, etc., as a preliminary to their application to the chemical diagnosis of cases.

An *Advanced Optional Laboratory Course* in clinical and pathological chemistry is offered during the winter term to those students whose preliminary training in chemistry and standing in the pass course show they are able to profit by it. This course includes the more recent exact methods of determination of creatinin, ammonia, acetone; the partition of nitrogen in urine in health and disease; estimation of urea, sugar, chlorides, and uric acid in blood, etc. This course must be taken by all candidates for the Sutherland Medal.

Text-books:—Laboratory Courses, Ruttan and Harding; Practical Physiological Chemistry, Hawk; Practical Organic and Biological Chemistry, Plummer. *Reference*:—Physiological Chemistry, Mathews; Chemistry of Metabolism, von Furth; Principles of General Physiology, W. M. Bayliss.

PHYSICS.

PROFESSOR OF PHYSICS:—A. S. EVE.
ASSISTANT PROFESSOR:—H. E. REILLEY.
DEMONSTRATORS:—VIOLET HENRY. R. J. CLARK. R. A. SMITH. L. H. NICHOLLS.

First Year: This course is given in the Physics Building of the University. It consists of four lectures and two laboratory periods of two hours per week throughout the session.

The lectures are experimental in character, especially designed to meet the requirements of students in Medicine. The course includes a study of energy, simple machines, properties of matter, fluid pressures, fluid motion, capillary phenomena; production, transmission and

interpretation of sound; temperature and temperature measurements, gas laws and kinetic theory, heat capacity, latent heats, laws of vaporization, humidity measurements, heat conduction; elements of magnetism, laws of electrostatics, electrostatic induction and condensers; primary batteries, Ohm's law and its applications, measurements of resistance and electromotive force, measuring instruments, magnetic effects of a current, induced currents, induction coil, conduction through gases, properties of cathode rays and X-rays; radioactive substances and their radiations; laws of reflection and refraction of light, mirrors, lenses and lens combinations, microscopes, telescopes, spectra, spectrum analysis, colour, interference, crystallography, polarized light and saccharimetry.

In the laboratory the student learns the use of such instruments as the balance, vernier, spherometer, hydrometer, hygrometer, spectroscope, saccharimeter, electroscope. Verifications are made of Archimedes' principle, Boyle's law, laws of reflection and refraction, Ohm's law, etc. Measurements are taken of specific gravities, frequencies, specific heats, latent heats, electrical resistances, focal lengths, besides qualitative experiments illustrating the more important physical principles.

Students entering McGill University in all faculties receive lectures and do laboratory experiments in Physics, hence a good knowledge of arithmetic, algebra and geometry is required.

A knowledge of the elements of trigonometry, logarithms, mechanics and physics enables a student to make a good beginning on entry, which stands him in good stead for the remainder of his college career.

Text-book:—A. W. Duff.

ENGLISH

PROFESSOR:—W. HARVIE-JELLIE.

The course of instruction in English is conducted by Prof. W. Harvie-Jellie, M.A., Dr. ès Let. of the Department of English in the Faculty of Arts. It consists of Lectures and Conferences.

The History of Scientific Thought and Progress, with special reference to its bearing upon modern civilization, is dealt with in a course of thirty Lectures, and emphasis is placed upon the development of a genuine scientific method of research.

A second course of thirty Lectures treats of the Literature of the 19th century, and includes a study of the great literary scientists.

For the purpose of instruction in English Composition and Expression, the Class is divided into groups to permit of personal conference. One hour a week is devoted to the study of the principles and practice of English Composition; and a second hour is given to a thorough training in public speaking.

ANATOMY.

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.
ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.
LECTURER IN HISTOLOGY:—W. M. FISK.
LECTURER IN EMBRYOLOGY:—F. SLATER JACKSON.
LECTURER IN ANATOMY:—I. MACLAREN THOMPSON.
LECTURER IN CHARGE OF DENTAL STUDENTS:—H. E. MACDERMOT.
SENIOR DEMONSTRATOR (in Charge of Dissecting Room):—
A. D. CAMPBELL.

DEMONSTRATORS:—
- F. J. TEES.
- L. H. MCKIM.
- H. BRUCE MALCOLM.
- G. A. FLEET.
- J. G. W. JOHNSON.
- A. ROSS.
- L. L. REFORD.

PROSECTOR:—MR. WILLIAM MUIR.

Under the six-year curriculum the student begins the study of anatomy in the second year of his course, and continues it in the third, fourth and fifth years. During the second and third years the whole body is dissected twice. The aim of this part of the course is to establish the essential foundations upon which the practice of medicine and surgery is based; the importance of the application to the living body of the knowledge gained in dissection is, therefore, emphasized throughout. During the fourth and fifth years the subject is considered from the standpoint of its clinical bearing. Close co-operation between the anatomical, histological and embryological parts of the course is maintained during the whole four years.

Second Year.

1. **Elementary Anatomy:**—The student dissects the whole body, including the brain, aiming at a general knowledge of the form and relations of the systems and organs without detailed consideration. Stress is laid upon the importance of function in determining form and structure, and the osteology and surface anatomy are studied concurrently.

Text-books:—Gray's "Anatomy" (English edition); Walmsley's "Practical Anatomy." Whole session, 330 hours.

2. **General Embryology:**—A course of lectures and practical work on the general problems of development and on the early stages of development of the human embryo.

Reference books:—Kellicott, "Text-book of General Embryology"; Prentiss and Arey, "Text-book of Embryology."

First term, 60 hours.

3. **General Histology:**—A detailed study of the fundamental tissues of the human body.

Text-book:—Jordan, "Text-book of Histology."

Second term, 60 hours.

Third Year.

4. **Advanced Anatomy:**—The whole body is dissected for the second time and in detail. In this year regional and cross-section anatomy receive special attention and, in correlation with courses 5 and 6, the nervous system and sense organs are further studied.

Text-books:—Gray's "Anatomy" (English edition); Heisler's "Practical Anatomy" may be used as a change of dissecting guide.

Whole session, 360 hours.

5. **Special Histology:**—This course runs parallel with the course in gross anatomy, the microscopic structure of the organs and systems being studied at the time they are dissected.

Text-book:—Jordan, "Text-book of Histology."

Whole session, 90 hours.

6. **Organogenesis:**—The development of the organs and systems of the human body, co-ordinating with courses 4 and 5.

Text-book:—Prentiss and Arey, "Text-book of Embryology."

Whole session, 30 hours.

Fourth Year.

7. **Surgically Applied Anatomy:**—This course is given in January and February, immediately preceding the course in Operative Surgery on the cadaver, which is conducted in the dissecting room by the Department of Surgery. Second trimester, 30 hours.

Fifth Year.

8. **Medically Applied Anatomy:**—An optional course of eight lecture periods. Second trimester, 8 hours.

Collateral Reading:—The following books are recommended for collateral reading by students in the department:—

Ranson, "Anatomy of the Nervous System" (3rd year).
Keith, "Human Embryology and Morphology" (3rd year).
Treves and Keith, "Surgical Applied Anatomy" *or*
Davis, "Applied Anatomy" (4th year).
Hilton, "Rest and Pain" (3rd or 4th year).
Whitnall, "The Human Orbit."

Dictionary:—Every student is advised to provide himself with a good medical dictionary as an essential part of his text-book equipment. Any one of the following may be recommended:—Stedman, Dorland, Gould, Lippincott's, American.

Alternative text-books:—Although the text-books mentioned in connection with the courses are recommended, any of the following may be used:—

Anatomy:—Cunningham, "Text-book of Anatomy"; Morris, "Human Anatomy"; Piersol, "Human Anatomy"; Quain, "Elements of Anatomy." *Practical Anatomy*:—Parsons and Wright, "Practical Anatomy"; Heisler, "Practical Anatomy"; Cunningham, "Manual of Practical Anatomy." *Anatomical Atlases*:—Sabotta and McMurrich; Toldt; Spalteholz. *Embryology and Histology*:—Schäfer, "Essentials of Histology"; Piersol, "Normal Histology"; Bailey, "Text-book of Histology"; Lewis and Stöhr, "Text-book of Histology"; Bailey and Miller, "Text-book of Embryology"; McMurrich, "The Development of the Human Body."

Post-Graduate Study.

Material and preparations for post-graduate study are always available, and a special effort will be made to assist graduates in the investigation of any part of the subject in which they are interested.

Physical Anthropology.

The Department is prepared to give a course of special instruction in the methods and application of this subject.

Dental Anatomy.

Details of the courses in anatomy and histology for dental undergraduates and graduates will be found in the Calendar of the Dental Faculty.

GENERAL PHYSIOLOGY.

PROFESSOR:—F. E. LLOYD.
LECTURER:—GEO. W. SCARTH.

On the structure, properties and behaviour of protoplasm. Sixty hours during the first semester, for the students of the second year.

Reference Books:—Verworn, General Physiology (translation by Lee); Bayliss, Principles of General Physiology; Bechhold, Colloids in Biology and Medicine (translation by Bullowa); McClendon, Physical Chemistry of Vital Phenomena.

PHYSIOLOGY.

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.
LECTURER:—F. GREEN.
ASSISTANTS:— L. NOTKIN. G. J. CASSIDY.
THE COOPER SCHOLAR IN PHYSIOLOGY:—S. W. BRITTON.

The purpose of this course is to make the student thoroughly acquainted, so far as time permits, with modern physiology, both from a scientific and practical standpoint—its methods, its deductions, and the basis on which the latter rest.

1. Human Physiology.

The course comprises demonstrations and laboratory work.

Lectures.—These extend over two years and are illustrated by diagrams and lantern demonstrations.

Laboratory Work.—(a) Juniors. Second year students work for the most part in pairs for one period of three hours per week throughout the year. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous systems. Frog material is largely used for the latter part of this course. Class-book:—Schafer's "Experimental Physiology."

(b) Seniors. Third year students, working in pairs or in larger groups, attend for one period of three hours per week throughout the year. The course includes mammalian operative work as well as observations on the human subject with clinical and other apparatus. Class-book:—Sherrington's "Mammalian Physiology."

Demonstrations.—Special demonstrations are given from time to time on such subjects as cannot be dealt with by individual groups of the practical class, and also on whatever research work is being carried out in the Department.

Research Work.—Special arrangements are made for post-graduate work in physiology and for courses leading to the degrees of M.Sc. and D.Sc. For particulars apply to the Professor.

2. Chemical Physiology (see under Chemistry).

Text-books:—Starling, Haliburton, Howell, Stewart, Burton-Opitz. *Reference*:—Leathes, Starling (Lectures), Cannon, Hill (Recent Advances and Further Advances); Sherrington, Bayliss, MacLeod.

PATHOLOGY AND BACTERIOLOGY.

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.
ASSOCIATE PROFESSOR OF PARASITOLOGY:—J. L. TODD.
ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.
LECTURERS:—M. E. ABBOTT. C. T. CROWDY.
DEMONSTRATORS OF PATHOLOGY:—J. W. SCOTT. E. A. G. BRANCH.
DEMONSTRATORS OF PATHOLOGY AND ASSISTANT CURATORS OF THE PATHOLOGICAL MUSEUM:—H. N. SEGALL, W. W. BEATTIE.
ASSISTANT DEMONSTRATORS OF PATHOLOGY:—
P. HEINBECKER, W. DE M. SCRIVER, J. TROSSMAN.
DOUGLAS FELLOW IN PATHOLOGY:—T. R. WAUGH.

Pathology.

1. General pathology and pathological anatomy, including infection and immunity: lectures and experimental demonstrations twice weekly throughout the session. Professor Oertel.

2. Laboratory course in general pathological anatomy and histology, two hours twice weekly, winter term. Professor Oertel, Demonstrators and Assistant Demonstrators.

3. Special pathology and pathological anatomy: lectures on the diseases of the more important systems and organs, followed by demonstrations, two hours once weekly, throughout the session. Includes the circulatory, hæmatopoietic, respiratory, digestive and renal systems. Professor Oertel, and Demonstrators.

4. Applied Pathology: Demonstration and discussion of anatomical and bacteriological material in relation to clinical medicine. Professor Rhea.

5. Demonstrations upon fresh autopsy material, once weekly. Professor Rhea, Dr. Crowdy and Dr. Scott.

6. Performance of autopsies. Professor Oertel, Professor Rhea, Dr. Crowdy, Dr. Scott and Demonstrators.

7. Clinical pathological conferences at the Royal Victoria and Montreal General Hospitals, once weekly. Clinical and Pathological Staffs.

8. Selected chapters of special pathology with demonstrations; includes the nervous system, bones, joints, glands of internal secretion. Dr. Abbott and Dr. Crowdy.

9. Pathological research (open to graduates) by appointment. Professor Oertel and Professor Rhea.

Reference Books:—Oertel, General Pathology; Virchow, Cellular Pathology; Cohnheim, Lectures on Pathology; Ziegler, Specielle

Pathologie; Delafield and Prudden, Text-book of Pathology; Wells, Chemical Pathology; Adami and McCrae, Pathology.

Bacteriology.

1. Laboratory course in bacteriology, with explanatory lectures and demonstrations, autumn term. Professor Bruère, Demonstrators and Assistant Demonstrators.

2. Bacteriological and immunological research (open to graduates). Professor Oertel and Professor Bruère, by appointment.

Reference Books:—His and Zinsser; Muir and Ritchie; Jordon; McFarland; Mallory and Wright.

Parasitology.

PROFESSOR TODD.

The main feature of this course is a series of twenty lectures and demonstrations, illustrated by lantern slides, and by specimens both gross and microscopical. Demonstrations of the special methods used in the study of animal parasites are given in the laboratory.

Text-books:—Manson, Tropical Diseases (London, New Edition, 1920, in course of preparation); Stitt, Practical Bacteriology, Blood Work and Animal Parasitology (Philadelphia, 5th Edition with Clinical Notes, 1918); Chalmers and Castellani, Manual of Tropical Medicine (London, 3rd Edition, 1919).

Works of Reference:—Byam, The Practice of Medicine in the Tropics (London, 1920, in the course of preparation).

PHARMACOLOGY.

PROFESSOR:—H. G. BARBOUR.
ASSISTANT PROFESSOR:—J. W. SCANE.
LECTURER:—J. L. D. MASON.
DEMONSTRATOR:—WESLEY BOURNE.
DEMONSTRATOR OF CLINICAL THERAPEUTICS:—D. S. LEWIS.

The lectures on this subject are graded in the following manner:—For students of the second year there is a course in practical materia medica and pharmacy, with demonstrations and exercises in the laboratory. Prescription writing and the various modes of administering drugs are explained and illustrated.

The course in pharmacology is given in the third year and consists of a systematic course of lectures on the physiological action of drugs, with demonstrations, and practical laboratory work, during which the student is given the opportunity of studying by experiment the action of the more important drugs.

In the fourth year a systematic course is given on the principles of therapeutics and on the practical employment of drugs and remedial agents in the treatment of disease. In the fifth year, special attention is given to the subject of practical therapeutics in the ward classes by the attending physicians in both the Montreal General and Royal Victoria hospitals.

In connection with this department a short course of didactic lectures will be given to students of the fourth year on the therapeutic values of massage, of physical exercise, including remedial gymnastics and mechano-therapy, of hydro-therapy, of electro-therapy and of photo-therapy; students of the fifth year will be given practical instruction in these subjects by Dr. Harvey, and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

The Eddie Morrice Laboratory, comprising pharmacological and chemical research rooms, has, through the liberality of the late Mr. Morrice, been fully equipped with all necessary apparatus for carrying on extended research work.

Text-books—Cushny; Bastedo; Sollman. *Reference*—United States Dispensatory; Remington's Pharmacy.

HYGIENE.

STRATHCONA PROFESSOR:—T. A. STARKEY.
LECTURERS:— { R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

The practical part includes a number of visits to various places of hygienic importance. The student is thereby brought in close contact with the various conditions which he is liable to meet during his later career.

The Museum is fully equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles. See description of Museum, page 78.

In addition to the above, lantern demonstrations of the various topics which have been previously discussed in the lectures are frequently given.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with

separate quarters and with every facility for the prosecution of research work.

See page 74 for advanced courses in Hygiene.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau.

MEDICAL JURISPRUDENCE.

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Text-books:—Glaister; Buchanan; Mann. *Reference*:—Peterson and Haines; Taylor.

MEDICINE AND CLINICAL MEDICINE.

PROFESSORS:— F. G. FINLEY.
H. A. LAFLEUR.
C. F. MARTIN.

ASSOCIATE PROFESSOR:—W. F. HAMILTON.

LECTURERS:— A. H. GORDON, C. A. PETERS, H. B. CUSHING, A. A. ROBERTSON, J. KAUFMANN, E. H. MASON.

DEMONSTRATORS:— C. F. WYLDE, J. G. BROWNE, D. W. MCKECHNIE, C. F. MOFFATT, R. H. M. HARDISTY, D. G. CAMPBELL, A. H. MACCORDICK, E. E. ROBBINS, C. C. BIRCHARD, D. MACCALLUM, D. S. LEWIS, C. R. BOURNE, I. RABINOVITCH.

ASSISTANT DEMONSTRATORS:— D. L. MENDEL.
A. T. HENDERSON.
F. R. BROWN.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty

of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patient throughout the final years, is of prime importance.

Every facility is afforded for this purpose, and students are required to report upon ten patients, placed under their direct care, to a conclusion.

In connection with the laboratory and ward work, minor problems are from time to time presented in order to encourage students in research. This will be further stimulated through closer correlation with the pre-clinical years.

Third Year:—The student is taught the methods of clinical medicine by means of demonstrations to the class as a whole, as well as by direct practical work in groups. Students will, from time to time, be allowed the privileges of the wards and the outdoor for this purpose, and will thus be brought in contact with patients early in their career. This course will last throughout most of the term.

Fourth Year:—The instruction in this year will consist of two theatre clinics a week, and work in the wards. Students will be made responsible for the reporting and observation of patients in the wards, and will be expected to demonstrate these cases to the groups who are receiving instruction. A laboratory period of instruction will be given each week in connection with the clinical work, and the tests already learned in the pre-clinical and pre-medical years, will now be applied in practice. Students in this year will also be required to attend the outdoor.

Fifth Year:—This year is devoted entirely to hospital work, each student acting in the capacity of assistant resident. The number of lectures will be minimal. The student will be made directly responsible for reports on the patients in the wards, for the diaries of the cases, and will be required to make special examinations in company with the Chief in whatever department this is required. He will also attend the outdoor under supervision, and will further be expected to assist at all autopsies concerned with his patients, and will be required to prepare the material for the clinical pathological conference which is held once weekly. Clinics are likewise given on diseases of children, upon neurological cases, infectious diseases, and radiography in the departments concerned.

Text-books:—Osler's Practice; Ander's Practice; Rainey and Hutchison; Flint's Auscultation and Percussion; Hewlett's Clinical Pathology.

Reference:—Allbutt's System; Osler and McCrae; Oxford Loose Leaf; Nelson's Loose Leaf; Barker's Monographic Medicine; Lippincott's Quick Reference Book.

Applied Immunology. Dr. Fraser B. Gurd and Associates.

The purpose of this course is to co-ordinate the work in Pathology and Bacteriology (as given in the third year) with the clinical manifestations of diseases due to bacteria, to demonstrate the means at the disposal of the body for the prevention and cure of infection, and the clinical procedures, including the employment of vaccines and sera, which are of value in prophylaxis and treatment.

Fourth Year (Autumn Term):—A course of didactic lectures (with demonstrations).

Fifth Year:—A course of six clinical demonstrations to groups.

Clinical Microscopy.

This course, which is given during the winter term of the third year, is essentially a practical one and is in charge of the professors and teachers connected with the department of Clinical Medicine.

It is a laboratory course, forming part of the third year instruction in Medicine, and is held in the pathological laboratory of the Medical Building. The classes are held twice weekly, each demonstration lasting two hours.

Students are given instruction in the microscopic appearance of the normal and abnormal sediments in the urine, in the preparation of staining of films from pus and sputum for pathogenic bacteria, in the methods of examination of the blood, including the use of hæmoglobinometer, hæmocytometer, microspectroscope, the determination of the specific gravity, agglutination tests; the examination of fresh films, the preparation of stained blood films and the method of making differential leucocyte counts. The instruction also comprises the microscopic examination of stomach contents and fæces, for the recognition of abnormal cellular elements, fat, blood, bacteria and animal parasites; the examination of exudates and other pathological fluids obtained by puncture, and also the examination of hairs for the parasites of ring-worm and favus.

In addition to this, the student is given an opportunity of examining the various bacteria of importance in clinical medicine and surgery.

Various specimens of special interest, which are found in the hospitals from time to time, are examined as occasion arises at the demonstrations.

Department of Neurology.

LECTURERS:— C. K. RUSSEL.
F. H. MACKAY.

DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the nervous system is given in the earlier years of study.

Lectures and clinical demonstrations on neurology are given in the fourth and fifth years of the course in the wards and theatre.

In the fifth year groups of students are taken into the wards and out-door departments of the General Hospitals.

A series of demonstrations on neuro-pathology is given in the laboratory.

Department of Psychiatry.

PROFESSOR:—T. J. W. BURGESS.
PROFESSOR OF PSYCHOLOGY:—WILLIAM D. TAIT.
LECTURERS:— C. A. PORTEOUS. G. MUNDIE.
DEMONSTRATORS:— H. A. SIMS. A. G. MORPHY.

Psychology.

A short course of lectures is given by Professor Tait on General and Abnormal Psychology, with special reference to the latter. Discussion will include the principles underlying Psychotherapy, the main features of Psychopathology, relation of abnormal to normal mental life, mental hygiene, mental deficiency and intelligence tests and some reference to the Psychology of Insanity.

Psychiatry.

The course in psychiatry comprises a series of lectures at the University, with demonstrations at the Protestant Hospital for the Insane, Verdun, and at the general hospitals. Clinical instruction is given to groups of senior students, who are required to examine a number of cases, making written reports thereon, followed by discussion.

In the outdoor departments of the hospitals where a psychiatric clinic is held once a week, the students are taught the various methods of testing psychopathic cases, and making detailed diagnoses.

Text-books:—"Clinical Psychiatry," Kraeplin; "Clinical Psychiatry," Diefendorf; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt.

Department of Pediatrics.

PROFESSOR:——————

LECTURER:—F. M. FRY.

DEMONSTRATORS:—C. F. WYLDE. W. E. ENRIGHT. L. LINDSAY.

ASSISTANT DEMONSTRATORS:—H. P. WRIGHT. A. GOLDBLOOM. A. B. CHANDLER.

A didactic course on the diseases of infancy and childhood, including the feeding of infants, is given during the session to students of the fourth year. Clinical and didactic lectures are given on diseases of the new-born at the Montreal Maternity Hospital. In the Montreal General and Royal Victoria hospitals weekly clinical lectures and ward demonstrations on diseases of childhood will be given to students of the fifth year, and groups of students in rotation will be assigned work in connection with the out-patient children's departments of both hospitals. The new Foundling and Baby Hospital, which has recently been opened, with a capacity of 100 beds, will be utilized during the session for a series of demonstrations in infant feeding.

A voluntary course is given during the summer months, at the Children's Memorial Hospital, to a selected number of students who have successfully passed their Fourth Year.

Text-books:—Holt; Rachford; Koplik; Ruhrah; Chapin and Koplik; Dennett.

Department of Dermatology.

LECTURERS:—W. P. BURNETT. G. G. CAMPBELL.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and out-door clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, Campbell, Shamberg, Sequira, Sutton.

History of Medicine.

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of twelve lectures will be given upon the history of medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which pro-

duced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY AND CLINICAL SURGERY.

PROFESSORS:—{ GEORGE E. ARMSTRONG. J. ALEX. HUTCHISON.

ASSISTANT PROFESSORS:—A. E. GARROW, E. W. ARCHIBALD, A. T. BAZIN, E. M. EBERTS.

LECTURERS IN CLINICAL SURGERY:—W. L. BARLOW, C. B. KEENAN, W. H. P. HILL, F. A. C. SCRIMGER, F. J. TEES.

LECTURERS IN ANAESTHESIA:—W. B. HOWELL, W. G. HEPBURN.

DEMONSTRATORS OF CLINICAL SURGERY:—A. R. PENNOYER, C. K. P. HENRY, F. MCKENTY, F. B. GURD, E. C. LEVINE.

ASSISTANT DEMONSTRATORS OF CLINICAL SURGERY:—W. H. SMYTH, GUY JOHNSTON.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head and has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria hospitals there are between five and six hundred beds and also large out-patient departments.

During the third year students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal; how to apply their anatomy, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In their fourth year students attend surgical clinics in the amphitheatre of the hospitals three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professional rank teaches them in the wards and instructs them in groups.

The fifth is the purely hospital year. There are three amphitheatre clinics in the hospitals, weekly. Group teaching is carried out

in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found to obtain.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics and practical instruction in the administration of anæsthetics is given in the hospital to students of the fourth and fifth years.

Text-books:—Operative Surgery, — Binnie and Burghard; Surgery: A System of Surgery, C. C. Choyce; Rose and Carless, Thomson and Miles, Keen's Surgery; Russell Howard; Ashurst; Da Costa; Emergency Surgery, — Sluss; Surgical Anatomy, — Treves and Keith; Davis' Applied Anatomy .

Department of Urology.

CLINICAL PROFESSORS:— F. S. PATCH. D. W. MACKENZIE.

DEMONSTRATORS:— R. E. POWELL. M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of diseases of the urinary and male genital organs.

During the first half of the fourth year they receive a course of fifteen lectures on the elements of the subject in the University and in the hospitals fifteen clinics demonstrating typical cases.

During the fifth year they receive clinical instruction on groups of cases presented for differential diagnosis and students are encouraged to discuss these cases and outline the treatment indicated. Outpatient instruction is given to small groups in both hospitals.

The wealth of material in the hospitals permits of special instruction in the diagnosis and treatment of syphilis and other venereal diseases.

Students are also assigned clerkships in the wards and cases allotted to them for study. They are required to follow these cases to completion, as they do in the wards devoted to general surgery. Opportunity is thus afforded for the complete study of a considerable number of cases in the urological wards.

Text-book:—Keyes, "Urology."

Collateral Reading:—Thompson, Walker, White and Martin.

Department of Orthopaedic Surgery.

CLINICAL PROFESSORS:— A. MACKENZIE FORBES.
DEMONSTRATORS:— W. G. TURNER.
J. A. NUTTER.
W. J. PATTERSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at each of these hospitals for four or five consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics of both adults and children for those suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Bradford and Lovitt, Whitman, Albee, Fraser on Tuberculosis of Bones and Joints of Children, and Tubby and Jones on Surgery of Paralysis.

OBSTETRICS.

PROFESSOR OF OBSTETRICS AND GYNAECOLOGY:—W. W. CHIPMAN.
ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:—
J. R. GOODALL.
H. C. BURGESS.
J. W. DUNCAN.
J. R. FRASER.

This course will embrace: (1) Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete sets of models illustrat-

ing the deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc.; (2) beside instruction in the Montreal Maternity, including external palpation, pelvimetry, the management and after-treatment of cases; (3) a complete course on obstetric operations with the Tarnier-Budin phantom; (4) the diseases of infancy; (5) a course of individual clinical instruction at the Montreal Maternity Hospital.

The course is carefully graded and instruction will be given separately to students of the fourth and fifth years.

Particular attention is given to clinical instruction, and a clinical examination similar to that held in medicine and surgery forms an important part of the final examination.

A few lectures will be given on diseases of the new-born, supplemented by clinical demonstration and ward work. The lecturers and demonstrators will give special courses from time to time in the college and in the hospitals, and will take the students in groups for the purpose of demonstration, examination and review.

In the fourth year will be given the regular course of didactic lectures.

The fifth year will be devoted mainly to practical and clinical work in the wards of the Montreal Maternity and in its externe service. Palpation on the living subject, theatre clinics, ward clinics, and individual instruction in the management of labour and the care of the puerperal patients will be the chief features of the course.

Text-books:—Whitridge Williams, Webster, Jewett, Evans, De Lee, Berry Hart.

GYNÆCOLOGY.

PROFESSOR OF OBSTETRICS AND GYNAECOLOGY:—W. W. CHIPMAN.
CLINICAL PROFESSOR OF GYNAECOLOGY:—F. A. L. LOCKHART.

LECTURERS:—
- DAVID PATRICK.
- H. M. LITTLE.
- H. C. BURGESS.
- J. R. FRASER.

The didactic course consists of about twenty-five lectures given twice weekly during the autumn session. The anatomy and physiology of the organs and parts concerned are first discussed. Then the various methods of examination are fully described, the necessary instruments exhibited, and their uses explained. The lectures are illustrated as fully as possible by drawings, morbid specimens and lantern slides.

Clinical teaching, including out-patient and bedside instruction, is given at both the Royal Victoria and Montreal General hospitals by Professors Chipman and Lockhart, assisted by Drs. Patrick, Little

and Burgess. A large amount of clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class and made the subjects of remarks. In addition to the ward-patients, each hospital conducts a large out-patient gynæcological clinic, to which advanced students are admitted in rotation, and instructed in digital and bi-manual examinations and in the use of instruments for diagnosis.

Particular attention is thus given to clinical instruction, and a clinical examination in gynæcology, similar to that held in medicine and surgery, forms part of the final examination.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam.

OPHTHALMOLOGY.

PROFESSOR:—J. W. STIRLING.

CLINICAL PROFESSORS:—W. G. M. BYERS. G. H. MATHEWSON.

LECTURERS:—F. T. TOOKE. S. H. McKEE.

DEMONSTRATORS:—A. G. McAULEY. J. MacMILLEN.

ASSISTANT DEMONSTRATORS:—J. ROSENBAUM. A. BRAMLEY-MOORE.

In the fourth year there is a didactic course of about ten lectures delivered at the University. The more unusual diseases of the eye are fully described, while the commoner diseases are merely touched on, the fuller consideration of the latter being reserved for the clinical lectures to be delivered in the fifth year. In addition, in the fourth year there is instruction in the anatomy of the eye, the methods of examination, and the use of the ophthalmoscope and the elements of refraction.

In the fifth year there is a regular bi-weekly course of clinical lectures at the Royal Victoria and Montreal General hospitals.

The operative work in eye surgery is fully open to undergraduates on the day set apart for the purpose.

Text-books:—Parsons; May; De Schweinitz; Fuchs.

OTO-LARYNGOLOGY.

PROFESSOR:—H. S. BIRKETT.
LECTURER:—H. D. HAMILTON.
DEMONSTRATORS:—HAMILTON WHITE. J. T. ROGERS.
ASSISTANT DEMONSTRATORS:—D. H. BALLON. R. P. WRIGHT. G. E. HODGE.

The course of instruction in oto-laryngology is carried on in the recently reconstructed wards and out-patients' department of both the Royal Victoria and the Montreal General hospitals, where, owing to the large clinics, the students are afforded ample opportunity of receiving a thorough instruction in these subjects. There are fifty beds set apart for this department. The course is carried on in both the fourth and fifth years. In the fourth year, instruction is given in: (a) the normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

In the fifth year the students have presented to them only pathological conditions affecting these organs. As many cases as is possible are brought forward to illustrate the various diseases, and the clinical material thus presented is dealt with by a clinical lecture, and is further enlarged by gross pathological specimens, microscopical material and lantern slides. Eight to ten didactic lectures are also given.

In this year the student also receives instruction as to the care of the deaf mute, the subject being dealt with by a lecture and practical illustration of the methods of educating these unfortunate children in the Mackay Institution for Deaf Mutes.

The courses are conducted in small classes, so that personal supervision is accorded to each student. The clinics are held twice a week in each hospital, and continued throughout each session. An examination, written and clinical, is held at the end of the fifth year. Two positions as resident house-surgeon in the department of oto-laryngology in the Royal Victoria Hospital are open to the members of the graduating class.

Text-books:—Politzer; Albert Gray; St. Clair Thompson; Porter; H. Tilley; Kerrison.

GRADUATE AND ADVANCED COURSES.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical Departments of both the Royal Victoria and Montreal General Hospitals, and also in connection with the college laboratories for physiology, chemistry, pathology and pharmacology.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving notice, stating the course desired and the time at their disposal.

All the regular clinics and demonstrations of both hospitals will be open to such students on the same conditions as to undergraduates in Medicine of this University.

Further details regarding courses, fees, etc., may be obtained on application to the Assistant Dean of the Medical Faculty.

HYGIENE AND PUBLIC HEALTH.

I. DIPLOMA COURSE IN PUBLIC HEALTH.

Candidates undertaking this course must have possessed a degree in medicine, or other qualifications for practice, for at least twelve months before he is competent to receive the diploma. The courses prescribed are as follows:—

1. A course of lectures dealing in a comprehensive manner with the General Principles of Hygiene, Preventive Medicine and Sanitation.

2. Bacteriology—a full practical course in General Bacteriology, special attention being given to Pathogenic organisms and Parasites; general principles of Bacteriological Analysis, especially in relation to Public Health matters.

3. Sanitary Chemistry:—(a) Examination of air and air vitiated by respiration, products of combustion, factory and other trade conditions; water and water supplies in general, detection of poisons associated with water supplies; all the common kinds of foods and beverages; sewage and sewage effluents; articles of dress, house decorations, etc.; chemical investigations connected with certain trades and occupations.

(b) *Physics*:—Principles of statics, pneumatics, hydraulics, light and photometry, heat and thermometry and the principles of hygrometry, only in their application to hygiene.

4. An extended course of practical out-door Sanitary work under a Medical Officer of Health, or other Authority affording facilities for such instruction.

5. *Sanitary Legislation*:—Statutes and by-laws relating to public health; the powers of public Sanitary authorities.

6. *Vital Statistics*:—Calculation and tabulation of returns of births, marriages, deaths and diseases.

7. Meteorology and climatology, including the geographical and topographical distribution of diseases.

Candidates for this Diploma may claim exemption from attendance in any of the subjects outlined in the scheme of studies on presentation of proof that they have received already equivalent instruction in such subjects.

Except in special instances where exemptions may have been granted, the length of the course is eight months—from the beginning of October to the end of May.

The examination for the Diploma includes the following subjects:—Examination of clinical cases at an infectious hospital; the drawing up of outlines for annual and other reports of officers of health; a report upon the sanitary conditions of some actual locality; demonstration of the consideration and use of meteorological hygienic and sanitary apparatus; microscopical examination of specimens submitted; description of specimens of human and other diseased tissues; the inspection of carcasses of animals to be used for food. Chemical and Bacteriological examinations, the scope of which is indicated in the paragraphs relating to instructions on these headings.

The above examination is written, oral and practical and extends over a period of four or five days.

The fee for the course and the Diploma is $100.00.

2. COURSES FOR CIVIL ENGINEERS.

This course is given to meet the requirements of engineers, particularly those making a specialty of sanitary engineering. The object of the instruction is to elucidate the public health principles involved in engineering problems, *e.g.*, ventilation, water supplies, sewage disposal, and drainage systems.

3. COURSE FOR ARCHITECTS.

Special instruction is given in those branches of public health relating to architectural work, *e.g.*, lighting and heating, ventilation, sanitary fixtures, draining and plumbing.

4. COURSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

Hygiene or some particular branch of it, may be taken out as a minor subject in the final examination for the Ph.D. degree. Special arrangements are made to suit the student in order that the work done in this department shall be a supplement to his major subject taken out in Applied Science.

CLINICAL INSTRUCTION.

In the third year instruction is given to groups in the methods of physical diagnosis and in minor surgery.

During the fourth year three medical and three surgical theatre clinics are given weekly in the Montreal General and Royal Victoria hospitals. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments. Out-patient clinics are given to groups of students once weekly in ophthalmology and oto-laryngology during the last trimeter.

In the Alexandra Hospital for Contagious Diseases, students of the fourth and fifth years receive bedside instruction in groups.

The fifth year is devoted almost exclusively to clinical work. There are three clinics weekly in medicine, three in surgery, two in obstetrics and two in gynæcology, these being supplemented by group teaching in the wards and by instruction in the clinical laboratories. In addition, groups receive instruction in ophthalmology, oto-laryngology, pediatrics, dermatology, gynæcology, neurology and genito-urinary surgery in the out-patient departments of both hospitals. At the Montreal Maternity four ward classes weekly in obstetrics are given.

Clinical Clerks in the medical and surgical wards of both hospitals are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted to him. Students are required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery, and are required to have reported at least ten cases in medicine and ten in surgery. The instruction obtained as clinical clerk is found to be of the greatest possible advantage to students, as affording a true *practical* training for his future professional life.

Dressers are also appointed to the out-door departments. For these appointments, application is to be made to the assistant surgeons, or to the resident surgeon in charge of the out-door department.

The large number of patients affected with diseases of the eye and of the ear, nose and throat, now attending the special clinics at both hospitals, afford ample opportunity to students to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the various instruments used in examining them, and it is hoped that every student will thus seek to gain a practical knowledge of these important branches in medicine and surgery. Operations are performed on the eye and on the ear and nose and throat after the out-door patients have been seen, and students are invited to attend the same, and as far as practicable to keep such cases under observation so long as they remain in the hospital.

There are also special departments in both hospitals for gynæcology, pediatrics, neurology, orthopædics, dermatology and genito-urinary diseases, directed by specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology, which has met with marked success, has been the limitation of the number of students attending each clinic to three.

Clinical instruction is given in the wards of the Protestant Hospital for the Insane at Verdun.

The clinical teaching in infectious diseases is given in the wards of the Alexandra Hospital for Contagious Diseases.

HOSPITALS.

The City of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which medical students of McGill University receive clinical instruction are: (1) The Montreal General Hospital; (2) The Royal Victoria Hospital; (3) The Montreal Maternity Hospital; (4) The Alexandra Hospital for Contagious Diseases; (5) The Protestant Hospital for the Insane; (6) The Children's Memorial Hospital.

MUSEUMS.

The Faculty has during recent years devoted special attention to the development of its museums in the several departments in which objective teaching is of special value in the education of the student.

Through the benefaction of the late Lord Strathcona, a splendid new Museum has been erected which is undoubtedly the finest structure of its kind in America. The Museum projects from the north-western side of the new Medical Building, of which it forms a central feature, and faces the Royal Victoria Hospital. It is in the form of a rectangular cross and is in three stories, of which the upper contains the anatomical collections, while the two lower floors are devoted to the Museum of Pathology.

MUSEUM OF PATHOLOGY.

DIRECTOR:—PROFESSOR HORST OERTEL.
CURATOR:—MAUDE E. ABBOTT.
ASSISTANT CURATORS:—H. N. SEGALL. W. W. BEATTIE.
OSTEOLOGIST AND PREPARATOR:—MR. E. L. JUDAH.

The Pathological Museum of the University contains to date (May 1st, 1921), approximately 7,000 specimens, of which some 3,200 are mounted and catalogued on the Museum shelves, and the balance are in a carefully labelled and classified storage, where they are

readily available for teaching, and from which they are constantly being drawn and added to the display collection on the shelves of the Museum proper. A descriptive catalogue is in process of preparation, the first volume of which has already been published by the Oxford Press. Other parts are available and are being made ready for print through the help of the Osler Catalogue and the James Cooper Funds. The Museum includes the pathological collection of the Royal Victoria Hospital, which consists of some 240 specimens preserved in colours, mounted and catalogued. A collection of some 200 mounted specimens is also available for teaching purposes in the Museum of the Pathological Department of the Montreal General Hospital. Some 110 models, as well as an extensive set of microscopic slides and charts for pathological and clinical teaching are filed both in the Museum and in the Pathological Departments of the Royal Victoria and the Montreal General Hospitals.

MUSEUM OF ANATOMY.

DIRECTOR:—PROF. S. E. WHITNALL.

The Anatomical Museum is designed primarily as a teaching museum to be used in conjunction with the didactic and practical instruction given in the Department of Anatomy. It now contains several thousand preparations and models arranged to illustrate general embryology; human embryology and organogenesis; the theory of human evolution; the prehistoric races of mankind; physical anthropology; comparative osteology; general comparative anatomy and the details of human structure, regional, systematic and topographical.

In addition to the material which is exhibited in the museum cases, several hundred wet preparations are kept in storage and are used as teaching specimens in the class and dissecting rooms.

Special collections illustrating the anatomy of regions and organs have been formed and are being continually augmented. These are available not only for undergraduate teaching, but also for use by interested graduates.

A collection of over two thousand lantern slides and several hundred stereoscopic photographs is maintained.

The original Anatomical Museum of the College was completely destroyed by the fire of 1907.

MUSEUM OF HYGIENE.

DIRECTOR:—PROF. T. A. STARKEY.

The material in the museum has been rearranged with a view to exhibiting not only specimens of the best and most approved types of appliances in each particular branch of public health, but also examples of types which are to be avoided on hygienic principles.

In order to facilitate study and reference, the specimens have been classified upon a decimal system under the following sections:—

1. *Disinfection.*—Including disinfecting apparatus of all kinds, disinfectants and antiseptics.

2. *Lighting and Heating.*—Showing contrivances used for these purposes, and illustrative of the principles involved.

3. *Water.*—Showing conditions connected with pollution of water supplies, whether derived from the surface or underground sources; methods of purification on large and small scales; water pipes, etc., and the influence which these fittings may exert upon the water contained therein.

4. *Soils and Buildings.*—Building sites, various kinds of soils; relation between soil and dampness; permeability of soils to gases and water; composition of soils; effects of ground moisture on dwellings; measures to be taken against dampness and foul air; and building materials of all kinds.

5. *Air.*—Including ventilation schemes and appliances; climate and meteorology, with apparatus illustrative of each class.

6. *Foodstuffs.* — Adulterations and sophistications practised; samples of unsound foodstuffs.

7. *Bacteriological and Pathological.* — Specimens of diseased meats; specimens and slides of all the common micro-organisms, pathogenic and non-pathogenic.

8. *Clothing.*—Specimens of all the materials utilized for the manufacture of clothing, showing the raw state and the various processes through which they pass until the finished product is reached; the hygienic value of these various articles is also set forth.

Injuries and deformities which may directly result from the use of badly designed articles of clothing; history and evolution of clothing.

9. *Drainage and Refuse Disposal.*—This section includes every type of appliance used as sanitary fixtures in buildings; drainage schemes; ultimate disposal of refuse both liquid and solid; refuse destructors, and sewage disposal plants. The section also includes types of faulty methods and appliances which on principle ought to be avoided.

In addition to the regular museum exhibit, there is a collection of over 1,000 lantern slides illustrative of phases of hygiene. The slides have been so arranged as to be available for demonstrations as hand specimens.

A catalogue with text and full description of all the exhibits contained in the museum is issued by the University authorities, and may be purchased at the general office.

Injuries and deformities which may directly result from the use of badly designed articles of clothing; history and evolution of clothing.

9. *Drainage and Refuse Disposal.*—This section includes every type of appliance used as sanitary fixtures in buildings; drainage schemes; ultimate disposal of refuse, both liquid and solid.

LIBRARY.

HONORARY LIBRARIAN:—C. F. WYLDE, Esq., C.B., M.D.

ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.

ASSISTANTS:—MISS PAULINE M. CARRIÈRE.
MISS C. DAVIDSON, B.A.
MISS V. LOUISE DAVIDSON.

"The history of the Library is the history of the Faculty."
—Professor Hall.

The Library occupies the central part of the new building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library.

There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for loan by out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m., and after Convocation it is open from 9.00 a.m. to 5.00 p.m., Saturdays 9.00 a.m. to 1.00 p.m. During July and August it is closed all Saturday.

STATISTICS.

October, 1920. — May 7th, 1921.

Readers	8946
Books loaned	3444
Journals loaned	1069

Accessions from April 30, 1920 — May 7, 1921.

Number of Journals by gift	283
" " " " purchase	282
" " Books by gift	74
" " " " purchase	259
" " Transactions by gift	29
" " " " purchase	6
Total	933

Binding.—During 1920-21, 382 volumes were prepared and sent to the bindery.

Cataloguing Sept. 6, 1920 — May 14, 1921.

Books	562
Journals, continuations, etc.	1858
Total	2420

The following journals have been subscribed to during the current year, and appear for the first time on our shelves:

American Journal of Hygiene; American Journal of Nursing; American Journal of Tropical Nursing; Archives Médical Belges; Archives of Surgery; Annals of Tropical Medicine and Parasitology; British Journal of Nursing; Bulletins et Mémoires de la Societé Médicale des Hopitaux de Paris; Dental Record; Dental Summary; Indian Journal of Medical Research; Journal of Dental Research; Journal of Mental Science; Journal de Radiologie et d'Electrologie; Neurological Bulletin; Physiological Review; Psychoanalytic Review; Tubercle.

This increases the number of current journals in the Library to 282.

Among other important purchases this year is Plinius Secundus, 1516. The greater number of German journals for the years 1914-1919 have been received and the current issues are now coming regularly.

We have this year received donations from the following:

Abbott, Dr. Maude E.; American Red Cross; American Review of Tuberculosis; Archibald, Dr. E. W.; Bainbridge, Dr. W. S. (New York); Bell, Estate Dr. James; Bender Hygienic Laboratory (Albany); Bettman, Dr. A. G. (Portland, Ore.); Birkett, Dean H. S.; Blackader, Dr. A. D.; Byers, Dr. W. G. M.; Campbell, Dr. Gordon; Canadian Medical Association Journal, Editors; Columbia University, College of Physicians and Surgeons, Department of Pathology; Columbia University, Department of Surgery; Delaven, Dr. D. B. (New York); Elder, Dr. J. M.; Finley, Dr. F. G.; Frankenberger, Charles (Brooklyn, N.Y.); Fraser, Dr. J. R.; French, Dr. T. R. (Brooklyn); Georgetown University, School of Medicine; Goldbloom, Dr. A.; Goodman, Dr. Herman (New York); Gordon, Dr. A. H.; Hardisty, Dr. R. H. M.; Henry, Dr. C. K. P.; Hess, Dr. A. F. (New York); Hutchison,

Dr. J. Alex.; Illinois, University of, College of Medicine; Johns Hopkins Hospital, Dows Tuberculosis Laboratory; Kendall, E. C. (Ph.D.), (Rochester, Minn.); Leland Stanford Jr. University (California); Library of Congress, Washington, D.C.; Lindsay, Dr. L. M.; McGill University, Redpath Library, Registrar's office; Macphail, Sir Andrew; Manhattan State Hospital (New York); Martin, Dr. C. F.; Massachusetts General Hospital (Boston); Montreal General Hospital; New York State Department of Health, Division of Laboratories and Research; New Zealand Department of Health; Niven, Dr. James (Manchester, Eng.); Ontario Board of Health; Ontario Inspector of Prisons and Public Charities; Packard, Dr. F. H. (Waverley, Mass.); Peter Bent Brigham Hospital (Boston); Pittsburgh, University of, School of Medicine; Queen's University (Kingston); Red Cross Societies, League of; Rockefeller Foundation (New York); Rockefeller Institute for Medical Research (New York); Roddick, Sir Thomas; Rolleston, Sir Humphry (London); Royal Victoria Hospital; Russell, Dr. C. K.; St. Mary's Hospital Medical School (London); Sandiford, Irene (Ph.D.), (Rochester, Minn.); Shepherd, Dr. F. J.; Smithsonian Institution, Washington, D.C.; South Africa, Journal of the Department of Agriculture; Stern, Dr. Maxmilian (New York); Todd, Dr. J. L.; Vail, Dr. D. T. (Cincinnati, O.); Wolbach, Dr. S. B. (Boston); Wood, Dr. Casey A. (Chicago); Wright, Dr. H. P.

NOTE:—Where no address is given the donor resides in Montreal.

McGILL MEDICAL SOCIETY.

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To increase the facility with which the men can express themselves in public.

(4) To give the men an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting held in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty and two prizes are awarded in each division. The papers are subject to the

call of the executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the students' reading room. English and American journals, as well as the leading daily newspapers, are kept on file.

CLASS LISTS.

EIGHTY-NINTH SESSION, 1920-21.

The total number of students enregistered in the Medical Faculty during the past session was 750, of whom 39 were students of Pharmacy with 4 Post Graduates:—

Medical Students:

First Year	124	
Second Year (Six Year Course)	109	
Second Year (Five Year Course)	138	
Third Year	120	
Fifth Year	108	
Fourth Year	109	
	——	708
Pharmacy Students	39	
Post Graduates	3	
	——	750

Of whom there are from:—

Quebec	274	West Indies	14
Ontario	168	England	4
New Brunswick	47	Scotland	1
Nova Scotia & Cape Breton	54	Finland	1
Manitoba	8	Porto Rico	1
Newfoundland	13	Guatemala	1
Prince Edward Island	22	Bermuda	1
Alberta	29	China	2
Saskatchewan	15	Switzerland	1
British Columbia	49	British Guiana	1
United States	44		
		Total	750

FIRST YEAR.

Abey, W. J. H., Chater, Man.
Adamson, L. G., Montreal.
Amos, I., Montreal.
Benson, H. G., Bay De Verde, Nfld.
Berinbaum, M., Montreal.
Bickford, J. W., B.Sc., Guatemala, Central America.
Blackler, C. F., St. John's, Nfld.

Bloomfield, M. I., Montreal.
Boucher, H. H., Chilliwack, B.C.
Bowman, F. B., Southampton, Ont.
Brown, Miss F. T., Kamloops, B.C.
Burwell, W. K., Renfrew, Ont.
Byrne, J. A., Charlottetown, P.E.I.
Caplan, I. A., Montreal.
Casselman, H., Montreal.
Charles, E. D. B., Grenada, B.W.I.
Chisholm, G. W., Westmount, Que.
Conrad, E. V., East Lahave, N.S.
Corbett, W. E. P., Exeter, England.
Cowan, W. E., Ottawa, Ont.
Darby, G. B., St. John's, Nfld.
Dawson, L. W., Baillieboro, Ont.
Dawson, R. A., St. John, N.B.
deBelle, J. E., Montreal.
Dineen, F. J., Sussex, N.B.
Dreger, H. C., Kitchener, Ont.
Dowd, J. E., Ottawa, Ont.
Duffy, St. C., Kinkora, P.E.I.
Farmer, W. D., Cumberland, Ont.
Flater, N. F., Leduc, Alta.
Fullerton, C. W., Montreal.
**Galipeau, E. J., Montreal
Gauley, J. B., Vars, Ont.
Garcin, C. R., Bonne Bay, Nfld.
Gaslin, T. J., North Lancaster, Ont.
Gately, J. J., Norwood, N. Y.
Gemeroy, J. E., Winchester, Ont.
George, J. J., Ottawa, Ont.
Gillies, J. N., Port Daniel, Que.
Glass, A. R., St. Catharines, Ont.
Glassco, W. G., Hamilton, Ont.
Gosnell, T. L., St. John, N.B.
Graham, E. E., Carp, Ont.
**Grant, W. H. S., Westmount, Que.
Grassick, G. H., Regina, Sask.
Greer, W. M., Montreal.
Hamilton, J. S. M., Montreal.
Harding, T. E. W., Brockville, Ont.
Herman, M., Montreal.
Henderson, J. S., Chilliwack, B.C.
*Higinbotham, N. L., Lethbridge, Alta.

* Double Course.
** Repeating.

Hill, A. G., Fergus, Ont.
Hutchings, H. R., Calgary, Alta.
Hutton, Wm., Ottawa, Ont.
Huxtable, R. A., Windsor, Ont.
Johnson, W. E., Almonte, Ont.
Johnston, B. S., Brockville, Ont.
Kelly, M. A., Ottawa, Ont.
Kennedy, R., Kensington, P.E.I.
Kolber, B., Montreal.
Land, H. D., Sydney, N.S.
Littner, M., Montreal.
Lynch, J. G., Ottawa, Ont.
Macaulay, M. J., Sydney, N.S.
MacCuaig, D. R., Bainsville, Ont.
MacDonald, Miss A. C., New Westminster, B.C.
MacDonald, A. F., Greenfield, Ont.
MacDonald, R. W., Campbellton, N.B.
MacDonald, W. A., Glen William, P.E.I.
MacKercher, D. A., Maxville, Ont.
MacKinnon, H. N., Glace Bay, C.B.
MacLean, K. S., North Wiltshire, P.E.I.
MacNaughton, E. A., Martintown, Ont.
McCormack, C. W., Renfrew, Ont.
McDonell, E. D., Dalhousie Sta., Que.
McKenna, P. D., Vernon Bridge, P.E.I.
McNally, T. J., Barachois, Que.
Malloy, J. D., Blind River, Ont.
Mancuso, F., Montreal.
Marcus, S., Montreal.
Meahan, T. F., West Bathurst, N.B.
Melville, K. I., Kingston, Jamaica.
Menzies, C. G., Ottawa, Ont.
Miller, N., Montreal.
Murphy, F. J., Tweed, Ont.
Murray, W. W., St. Stephen, N.B.
Nathanson, L., Sydney, N.S.
Nelligon, L. P., St. Louis, P.E.I.
Northrup, I., Ogdensburg, N.Y.
Patterson-Smyth, G. N., Montreal.
Peacock, H. A., Hamilton, Ont.
Pendleton, R. K., Islesboro, Maine.
Philpott, N. W., Hamilton, Ont.
Podvoll, S., Montreal.
Pollock, J. A., Berwick, Ont.
Proctor, A. P., Vancouver, B.C.

**Pullar, W. C., Jamaica, B.W.I.
Puddicombe, J. F. H., Ottawa, Ont.
Ratner, M., Montreal.
Redmond, A. D., Iroquois, Ont.
Richardson, C. F., Montreal.
Roberts, P., St. John's, Nfld.
Robson, W. D., Seattle, Wash.
Rothwell, J. C., Lanark, Ont.
**Roy, R., Ottawa, Ont.
Savard, J. A., Blind River, Ont.
Scott, R. M., Wallaceburg, Ont.
Silk, C. W., B.D., Penticton, B.C.
Silsby, S. S., Aurora, Maine.
**Silverman, N., Montreal.
Smith, C. B., B.A., Montreal.
Stein, Wm., Montreal.
Strapp, G. A., Harbour Grace, Nfld.
Taylor, St. E. E., New York, N.Y.
Teggart, Miss D. M., Montreal.
Thaw, D., Montreal.
Wall, J. J., Ottawa, Ont.
Walters, A. R., Lennoxville, Que.
Ward, C. V., B.A., Waterville, Que.
Whidden, R. W., Victoria, B.C.
Whiteside, W. C., Inverness, Que.
Winter, J. W., Montreal.
Wittenberg, A., Montreal.
Wright, J. A., Trail, B.C.
York, G. W. B., Ottawa, Ont.

SECOND YEAR.

(Six-Year Course.)

Ackerman, C. F., Winnipeg, Man.
Altner, H. A., Montreal.
Andrews, E. A., Grenada, B.W.I.
Backman, P. L., Montreal.
Barnes, S. R. S., Turin, N.Y.
Boyle, J. E., Ottawa, Ont.
**Brady, C. P., Lancaster, Ont.
Brown, L. W., Ottawa, Ont.
Butler, W. S., Ottawa, Ont.
**Campbell, G. C., Montreal.
Chalmers, F. B., Regina, Sask.

** Repeating.

Clarke, A. M., Newcastle, N.B.
Clement, H. W., Chesterville, Ont.
Collins, H. A., S.W. Margaree, N.S.
Crocker, W. F., Quincy, Mass.
Cruikshank, J. M., St. John West, N.B.
Curbelo, P. G., Arecibo, Porto Rico.
Delahay, J. R., Ottawa, Ont.
Dempsay, G. R., Cochrane, New Ontario.
Dobson, J. W., Hillsboro, N.B.
Donovan, G. J., Woodstock, N.B.
Doubilet, S. I., Montreal.
Dowling, F. V., Fine, N.Y.
Dragushan, L., Moose Jaw, Sask.
Eaton, G. O., Truro, N.S.
Feigenbaum, J., Montreal.
Ferguson, J. A., Cumberland, Ont.
Fitzmaurice, L. W., New Glasgow, N.S.
Forrest, J. R., Montreal.
Forster, D. S., Montreal.
**Gault, P. S., Montreal.
Ginsberg, L., Montreal.
Glickman, H., Montreal.
Goldman, L., Montreal.
Hall, E. B., Bridgetown, N.S.
Hall, N. B., Kaslo, B.C.
Halperin, J. S., Montreal.
Harris, S. L., Ottawa, Ont.
**Helmcken, J. S., Victoria, B.C.
**Henry, R. B., Halifax, N.S.
Hill, N. P., Montreal.
Hilton, G. E. M., Ottawa, Ont.
Hope, J. D., Lachute, Que.
Hosang, S. A. B., Trinidad, B.W.I.
**Hudon, F. V., Richmond, Que.
Kaufman, M. R., Montreal.
**Kelly, F. G., Charlottetown, P.E.I.
***Kitchell, Miss M. V., Topeka, Kan.
Klineberg, O., Montreal.
Kuntz, A. E., Ottawa, Ont.
Lane, J. J., Haverhill, Mass.
**Langlois, A., Ottawa, Ont.
Lanthier, J. C., Montreal.
Lantz, J. P., Charlottetown, P.E.I.
LaZerte, L. C., Iroquois, Ont.

** Repeating. ***Partial.

Leech, B. C., Regina, Sask.
Levy, John, Montreal.
Little, L. P., Ottawa, Ont.
Lindsay, J. R., Glasgow, Ont.
**MacDonald, Donald A., Regina, Sask.
McGuire, J. A., Cornwall, Ont.
**McIntosh, W. T., Vankleek Hill, Ont.
McLean, E. M., Trinidad, B.W.I.
McVey, J. A., Ottawa, Ont.
Middleton, L. A., Lachute Mills, Que.
Morris, G. M., Windsor, N.S.
Nash, A. B., Victoria, B.C.
Nelson, J., Montreal.
Olmsted, J. G. M., Ancaster, Ont.
Phillips, R. O., Jamaica, B.W.I.
Porter, D. F. W., Fredericton, N.B.
Presner, J. C., Montreal.
Pretty, H. G., Peterboro, Ont.
Rabinovitch, P., Montreal.
Ramjohn, M. R., Trinidad, B.W.I.
Rivenovich, L., Montreal.
Rivenovitch, S., Montreal.
Roach, R. D., Tatamagouche, N.S.
**Roche, L. E., Ottawa, Ont.
Rosenbaum, S., Montreal.
Roy, H. J., Amesbury, Mass.
Rusofsky, H., Montreal.
Senecal, J. G., St. Cesaire, Que.
Smith, B. T., Moose Jaw, Sask.
Stewart, J. A., Kinburn, Ont.
Sullivan, J. K., St. John, N.B.
Swainson, W. L., Jamaica, B.W.I.
Thompson, C. S., North Sydney, N.S.
Tinkess, D. E., Watertown, N.Y.
Thurber, D. S., Millerton, N.B.
Turpel, W. N., Victoria, B.C.
Urmston, Miss E., Pasadena, Calif.
Vallieres, J. L., Biddeford, Me.
Wade, R. S., Renfrew, Ont.
Walker, D. W., Montreal.
Walsh, R. J., Sydney, N.S.
Webster, B. P., Lansdowne, Ont.
Wight, G. Earle, Montreal.
Wood, R. P., Everett, Mass.

** Repeating.

B.Sc., M.D. Students.

Alexander, B., Montreal.
Gradinger, C. H., Montreal.
Hershon, H., Montreal.
Kanigsberg, J. C., Westmount, Que.
Kennedy, W. R., Montreal.
McCullough, F. D., Moose Jaw, Sask.
Scheffer, I., Montreal.
Steine, B. Z., Montreal.
Wolepor, B., Lachine, Que.
Zuckerman, J., Montreal

SECOND YEAR.

(Five-Year Course.)

Abbott-Smith, G. W., Westmount, Que.
Acton, J. H., Gananoque, Ont.
Alward, H. C., St. John, N.B.
Amos, E. A., Lachine, Que.
Argue, F. B., Shawville, Que.
Bagley, H. E. Danville, Que.
Bearisto, E. B., Malpeque, P.E.I.
Beveridge, W. W., Vancouver, B.C.
Birbeck, A. F., Montreal.
Blain, J. B., Sault Ste. Marie, Ont.
*Boyce, J. C., B.A., Calgary, Alta.
Boyd, J. H., River Bourgeois, N.S.
*Breitman, R., B.A., Montreal.
Brown, A. W., Montreal.
Brown, F. M., Carman, Man.
**Bruce, H. G., Revelstoke, B.C.
*Bustin, H. B., B.A., St. John, N.B.
Caldwell, J. E., Ottawa, Ont.
**Caron, R. E., Ottawa, Ont.
**Chan, Q. H., Victoria, B.C.
Chisholm, C. A., Antigonish, N.S.
Chisholm, D. N., Port Hastings, N.S.
Cleland, J. G. P., Penticton, B.C.
Clendinnen, I. C., Ottawa, Ont.
**Cohen, J., Montreal.
**Coveler, H. A., B.A., Montreal.
Curtis, H. C., Somerset, Bermuda.
Day, E. E., Vancouver, B.C.

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* Double Course. ** Repeating.

Draper, W. B., Freehold, N.J.
Dyer, W. R., Alberton, P.E.I.
Eager, R. F., Ottawa, Ont.
**Elderkin, R. E., Wolfville, N.S.
Elliott, J. M., Vancouver, B.C.
Elliott, S. G., Forget, Sask.
Elvidge, A. R., Montreal.
Emmons, W. F., M.Sc., Vancouver, B.C.
Findlay, S. P., Vancouver, B.C.
Fisher, F. L., Truro, N.S.
Forrester, A. V., Victoria, B.C.
Fox, G. L., Jr., Hartford, Conn.
Fraser, D. S., New Glasgow, N.S.
Fraser, J. O., St. John's, Nfld.
*Freedman, J., B.Sc., Lachine, Que.
Geddes, A. K., Truro, N.S.
Gillander, E. W., Bury, Que.
**Gincherman, A., Montreal.
Graham, H. C., Kemptville, Ont.
Griffith, J. J., Montreal.
Gun, W. G., Vancouver, B.C.
Hainlen, E. W., Lake Placid, N.Y.
Hamilton, R. S., Victoria, B.C.
Henderson, R. S., Merigomish, N.S.
Henry, J. S., Salisbury, N.B.
Holmes, T. C., Victoria, B.C.
Holt, C. R., Westport, N.Y.
**Hume, W. E., Sherbrooke, Que.
Johnson, H. W., Soperton, Ont.
Johnson, F. B., Montreal.
Johnston, D. B., Athens, Ont.
Jones, T. M., Victoria, B.C.
*Kay, E., B.Sc., Montreal.
Keddy, A. R., Hemmingford, Que.
Kelly, E. P., Buckingham, Que.
Kelly, W. M., Huntingdon, Que.
**Korenberg, S., Montreal.
Lawson, J. W., Eganville, Ont.
Lax, A., Hawkesbury, Ont.
Lynn, L. J., A.B., Chelsea, Mass.
Macdermid, L. E., Martintown, Ont.

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* Double Course. ** Repeating.

Macdermot, P. N., Westmount, Que.
Macdonald, A. A., Havre au Boucher, N.S.
Macdonald, D. A., Fraser Mills, N.S.
MacGillivray, D. J., M.C., B.A., Antigonish, N.S.
Mackeen, R. A. H., Rothesay, N.B.
McBride, W. H., Carp, Ont.
McElligott, D. C., Eganville, Ont.
McGinn, W. J., North Wiltshire, P.E.I.
**McGregor, D. U., Waterdown, Ont.
*McIntosh, C. A., B.A., Ottawa, Ont.
*McKinnon, J. D., B.A., Sudbury, Ont.
McLauchlin, L. G., Truro, N.S.
McLellan, A. M., Tatamagouche, N.S.
Major, E. J. S., Ottawa, Ont.
Marcotte, E. G., B.A., Rochester, N.H.
Marsh, J. P., B.A., Quebec, Que.
Massie, R. A., Westmount, Que.
Matthews, G. O., Port Arthur, Ont.
*Mirsky, S., B.Sc., Ottawa, Ont.
Mooney, F. D., Stellarton, N.S.
**Morgan, G. S., Montreal.
Morris, G. D., London, Ont.
Morrissy, R. H., B.A., Newcastle, N.B.
Murray, D. F., Victoria, B.C.
Noonan, W. J. V., B.A., Detroit, Mich.
Patterson, J. D., Montreal.
**Petrie, E. A., Ottawa, Ont.
Petersen, S. E., Toronto, Ont.
**Pinhey, J. W., Hudson Heights, Que.
Pope, C. L., Richmond, Que.
Quackenbush, J. G., Ottawa, Ont.
*Rabinovitch, J., B.Sc., Montreal.
Ramsay, C. N., Montclair, N.J.
Reid, H. G., North Bay, Ont.
*Richardson, E. C., B.Sc., Brockville, Ont.
Roberts, G. A. C., Vancouver, B.C.
**Robertson, J. R., Halifax, N.S.
Ross, H. G., Montreal.
Ross, J. B., Montreal.
**Rowan, A. A., St. John, N.B.

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* Double Course. ** Repeating.

Ryan, J. J., B.A., Montreal.
*Schleifstein, J. I., B.A., Montreal.
**Segal, B. W., Montreal
Sherman, G. A., Scotstown, Que.
Simpson, J. Claude, B.A., Bay View Mills, P.E.I.
Simpson, H. L., Springhill, N.S.
Skeet, H. J., Barnes, Surrey, England.
Skelly, A. J., Ottawa, Ont.
Sloan, A. V., Vinton, Que.
Smallman, R. B., B.A., Wolfville, N.S.
Stalker, M. R., Richmond, Que.
Stock, G. H., Ottawa, Ont.
Swainson, W. L., Jamaica, B.W.I.
Taylor, E. O., Ladner, B.C.
Terry, K., Victoria, B.C.
*Teitelbaum, M., Montreal.
Thompson, W. W., Point LaNim, N.B.
Tidmarsh, C. J., B.A., Charlottown, P.E.I.
Trites, A. E., Salisbury, N.B.
Urquhart, R. G., Revelstoke, B.C.
*Vineberg, N. M., Montreal.
Ward, P. D., Lower Ireland, Que.
Ward, R. V., Moncton, N.B.
Webster, L. H., Marie, P.E.I.
Weir, G. W., Trail, B.C.
Wiggins, R. H., Sackville, N.B.
White, G. M., Marysville, N.B.
**Wilson, G. A., Kars, Ont.
Zinck, R. C., Chester, N.S.

THIRD YEAR.

Acker, J. C., Halifax, N.S.
Ackman, F. D., Moncton, N.B.
Anglin, I. M., St. John, N.B.
Apps, C. O., Brantford, Ont.
Aylward, G. F., Victoria, B.C.
Ballon, H. C., Montreal.
Boon, G. A., Longueuil, Que.
Boyle, E. S., Wallace, N.S.
Britton, S. W., Devon, England.
Buckley, F. J., Gloucester Jct., N.B.
Bulger, C. D., Eganville, Ont.

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* Double Course. ** Repeating.

Burke, H. E., Little Metis, Que.
Campbell, S. H., Chesley, Ont.
Cashin, M. F., St. John's, Nfld.
Center, E. A., B.A., Lachute, Que.
Chatters, O. P., Vancouver, B.C.
Chesley, A. S., St. John, N.B.
Cook, M. S., Ottawa, Ont.
Crewson, A. L., Alexandria, Ont.
Curtis, E. J., Vancouver, B.C.
Davidson, W. McD., Newton, Ont.
Dawson, M. H., B.A., Truro, N.S.
Demaray, J. F., B.A., Forest, Que.
Dowd, K. E., Ottawa, Ont.
Duberger, R. L. A., B.A., Sherbrooke, Que.
Duncan, G. G., Billings Bridge, Ont.
Duskes, E., Montreal.
Ein, W., Glace Bay, N.S.
Elder, H. M., Montreal.
Enzer, Norbert, Montreal.
*Ereaux, L. P., B.Sc., Montreal.
*Evans, O. B., B.A., St. John, N.B.
*Everett, H. S., B.A., St. Andrews, N.B.
Fegen, S., Montreal.
Feldman, J., Montreal.
Fineberg, M., Montreal.
Foster, J. G., Ottawa, Ont.
Fraser, W. A., Victoria, B.C.
*Freedman, N. B., B.Sc., Montreal.
Geshelin, H. I., Regina, Sask.
Gibbons, Miss E. C., Ph.B., Rochester, N.Y.
Gold, S., Montreal.
Goldberg, L., Montreal.
Goldman, E. J., Syracuse, N.Y.
Gruber, S., Montreal.
Hamilton, R. L., Quebec, Que.
Harwood, W. L., Montreal.
Hay, J. C., Victoria, B.C.
Heller, H., Montreal.
Hill, E. S., Ottawa, Ont.
Jackman, L. J., St. John's, Nfld.

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* Double Course. ** Repeating.

Jardine, I. W., Kensington, P.E.I.
Jessup, H. S., Ladysmith, B.C.
Kearns, H. J., Chesterville, Ont.
**Kearns, W. P., Chesterville, Ont.
*Knowlton, H. C., B.A., Guilford, Me.
Kutzman, N., Montreal.
Lamoy, L. T., Ausable Forks, N.Y.
Lewis, M. H., Utica, N.Y.
Logan, H. L., St. John, N.B.
Macdonald, C. A., New Westminster, B.C.
MacDonald, R. J., New Westminster, B.C.
MacIntosh, D. S., West River, N.S.
MacLean, C. P., Montreal.
*McClure, J. C., B.A., Cowansville, Que.
McGill, C. S., Jr., Shelburne, N.S.
McGrand, F. A., Keswick, N.B.
McLean, D. I., B.A., Charlottetown, P.E.I.
McPhail, W. N., B.Sc., Drummond, Mont.
Mader, V. O., Halifax, N.S.
Mair, H. U., Chesley, Ont.
Maillard, E. R., Trinidad, B.W.I.
Marcovitch, J., Montreal.
Marcovitz, M., Montreal.
Marcus, D., Montreal.
Marks, M. I., Montreal.
Massé, N., Montreal.
Mitchell, S. L., St. John, N.B.
Moodie, G. E., Pontiac, Que.
Murphy, B. W., Halifax, N.S.
*Murray, W. A., B.A., Brownsburg, Que.
Parlow, A. L., Ottawa, Ont.
Parsons, C. J. F., Harbor Grace, Nfld.
*Petersen, J. N., B.Sc., Montreal, Que.
Quinn, J. G., Ottawa, Ont.
Rafolovitch, M. J., Montreal.
Robillard, A. B., B.A., Montreal.
Robillard, M. J., B.A., Ottawa, Ont.
Rosenbaum, W., Montreal, Que.
Rubenstein, C. S., Syracuse, N.Y.
*Rubin, S., B.A., Montreal.
Rutenberg, L., Montreal.
Scharfe, E. E., Billings Bridge, Ont.
Schlitz, Miss F. H., Saskatoon, Sask.

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* Double Course. ** Repeating.

Schultz, C., Montreal.
Schurman, C. G., Wolfville, N.S.
Selzer, J., New York, N.Y.
Shaver, F. W., Montreal.
Sheets, C. C., Massena, N.Y.
Sheret, A. W., Victoria, B.C.
*Silver, P. G., B.Sc., Montreal.
Silverberg, A. C., Korsnas, Finland.
Skinner, G. F., B.Sc., St. John, N.B.
Skinner, W. K., Montreal.
Smith, H. G., St. John, N.B.
Smith, J. W., Lachute, Que.
Smith, W. H. Y., Ottawa, Ont.
*Somerville, W. B., B.A., Bristol, N.B.
Spiro, C., New Glasgow, N.S.
**Summers, R. A., Montreal.
Sweet, A. H., B.Sc., Thornhill, Man.
Tarshis, Miss A., B.A., Montreal.
Thompson, H. H., Gananoque, Ont.
*Vaughan, J. M., B.Sc., Mt. Vernon, N.Y.
Wallace, F. W., Nelson, B.C.
Watson, C. A., Victoria, B.C.
Waxman, A., Montreal.
Whiting, R. C., B.A., Montreal.
Whitley, H. T. C., Ottawa, Ont.
Wilkie, A. L., B.A., Antigonish, N.S.

FOURTH YEAR.

Adams, E. H., Pointe Claire, Que.
Allen, H. M., Toronto, Ont.
Archibald, W. C., Jr., B.A., Wolfville, N.S.
Arthur, W. S., Sudbury, Ont.
Behan, E. J., Pembroke, Ont.
Bassen, E. J., St. John, N.B.
Baxter, J. M., B.Sc., St. John, N.B.
Beall, F. G., Westmount, Que.
Blampin, Miss W. A., Montreal.
Boyd, Miss J. M., B.A., Westmount, Que.
Bourret, R. C., Montreal.
Benjamin, B., B.A., Montreal.
Breitman, H. B., Montreal.
Brouse, I. E., Vancouver, B.C.
Browne, T. G., Melville, Sask.

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* Double Course. ** Repeating.

Buckman, C., Montreal.
Bussiere, H. C., Montreal.
Carscallen, W. F., Edmonton, Alta.
Chasney, W., Winnipeg, Man.
Childs, Miss M. C., B.A., Montreal.
Clark, S. K., Kamsack, Sask.
Coler, E. S., Montreal.
Cooper, E. M., Medicine Hat, Alta.
Copeland, J. G., B.A., Cornwall, Ont.
Copeland, N., Cornwall, Ont.
Corbett, T. E., Fort Saskatchewan, Alta.
Davis, A., B.A., Montreal.
Dickey, E., Perdue, Sask.
Donnelly, R. H., St. John, N.B.
Druckman, K., B.A., Montreal.
Emery, E. D., Edmonton, Alta.
Feigenbaum, B., Montreal.
Field, T. H., Edmonton, Alta.
Fitzgerald, R. R., B.Sc., Calgary, Alta.
Fluhmann, C. F., B.A., Kenogami, Que.
Fox, C. B., St. John's, Nfld.
Gardner, A. J., Cornwall, Ont.
Goldman, S., Montreal.
Golt, M. I., B.A., Montreal.
Gordon, D. C., Ottawa, Ont.
Griffin, C. N., Montserrat, B.W.I.
Griffith, H. R., M.M., B.A., Montreal.
Grimmett, R. S., Edmonton, Alta.
Gundeson, C. N., Dickson, Alta.
Hart, H. H., B.A., Westmount, Que.
Henry, C. B., Montreal.
Howe, H. F., Palmerston, Ont.
Hynes, J. S., Kensington, P.E.I.
Imbleau, J. E. L., Renfrew, Ont.
Ironstone, P. S., Sudbury, Ont.
Irwin, Miss L. D., B.A., Westmount, Que.
†Jardine, G. H., M.D., Mt. Stewart, P.E.I.
Jardine, H. M., Moncton, N.B.
Johnston, K. B., Montreal.
†Jones, D. P. W., Shanghai, China.
Katzman, H., Utica, N.Y.
Kemp, W. N., Edmonton, Alta.
Kibzey, A. T., Winnipeg, Man.
Kinsman, J. M., B.A., Centreville, N.S.
Klein, D., Montreal.

† Special student.

Koster, B. McD., Toronto, Ont.
Laishley, W., Ottawa, Ont.
Levin, T., Montreal.
Livshin, N., Syracuse, N.Y.
Logan, P. E., Edmonton, Alta.
Lyster, P. A. M., Red Willow, Alta.
MacDonald, D. O., Sutton, Que.
McDonald, J., Warren, Ont.
MacLellan, D. F., B.A., Glenville, N.S.
MacMillan, D. W., Rome, N.Y.
McCormick, R. R., Arnprior, Ont.
McDonald, H. R., Newton, Ont.
McGregor, J., Victoria, B.C.
McIntosh, J. F., Westfield Beach, N.B.
McLeod, E. C., Plenty, Sask.
McNabb, A. M., M.C., Ottawa, Ont.
McNamee, F. P., Victoria, B.C.
Messinger, M. J., Montreal.
Miller, E. J., Calgary, Alta.
Miller, G. G., Berwick, N.S.
Mills, E. S., B.Sc., Ormstown, Que.
Morgan, P. J. G., Sorel, Que.
Naud, H. J., Smith's Falls, Ont.
O'Shaughnessy, P. E., Cobalt, Ont.
Parke, G. K., Pointe Claire, Que.
Parker, J. A., Woodstock, Ont.
Pearse, H. A., Edmonton, Alta.
Percival, Miss E. S., B.A., Montreal.
Redel, W. A., Consort, Alta.
Reinhorn, C. G., Edmonton, Alta.
Robertson, G. H., Falmouth, Jamaica.
Rose, W. H., Morrisburg, Ont.
Rosenfeld, J. E., Battle Creek, Mich.
Ross, A. G., Halifax, N.S.
Rothschild, D., B.Sc., Montreal.
Ryan, J. T., Montreal.
Schmidt, O. V., B.L., Westmount, Que.
Service, S. F., Edmonton, Alta.
Shapiro, C. E., Ottawa, Ont.
Sharp, H. H., Sussex, N.B.
Stenson, W. T., B.A., Sherbrooke, Que.
Usher, B. D., B.A., Montreal.
Watson, E. R., Hawkesbury, Ont.
Wells, T. J., Rock Island, Que.
Wershof, S. M., Edmonton, Alta.

Wilkin, W. I., Denfield, Ont.
Whitebread, J., Nelson, B.C.
Wittenberg, S. S., Montreal.
Young, G. F., Bothwell, Ont.

FIFTH YEAR.

Aarons, M. J., Syracuse, N.Y.
Almond, W. W., Altario, Alta.
Armour, J. C., Perth, Ont.
Beamish, O. F., Ottawa, Ont.
Bell, E. A., Tryon, P.E.I.
*Bernstein, F., B.A., Montreal.
Bolt, Wm., St. John's, Nfld.
Bristol, J. L., Grenada, B.W.I.
Caldwell, A. L., Loverna, Sask.
Candlish, H. M., Montreal.
Cassidy, G. J., Quebec, Que.
Chandler, E. B., Moncton, N. B.
Cooder, H. R., Montreal.
Corbett, J. R., Edmonton, Alta.
Crewson, W. L., Alexandria, Ont.
Cully, J. H., Pembroke, Ont.
Daley, M. J., Albany, N.Y.
*Dawson, H. LeR., B.A., Montreal.
Dorrance, W. J., Edmonton, Alta.
*Dowdall, G. F., B.A., Almonte, Ont.
Du Vernet, E. O., Digby, N.S.
Eakin, W. W., Montreal.
Eliasoph, B., B.A., Quebec, Que.
Emerson, C. L., B.A., St. John West, N.B.
Falardeau, A., Hull, Que.
Fink, C. T., Mattawa, Ont.
Fish, F. H., Calgary, Alta.
Fournier, Dudley T., Sudbury, Ont.
Freedman, M., Montreal, Que.
Gaboury, Hector, Alfred, Ont.
Grant, J. H. B., Port Elgin, N.B.
Greenberg, S. M., Montreal.
Gross, H. S., D.D.S., Montreal.
Harkin, G. H., Vankleek Hill, Ont.
*Hawthorne, A. B., B.A., Montreal.
*Heinbecker, Peter, B.A., Listowel, Ont.

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* Double Course.

Henderson, E. F., Hamilton, Ont.
Holling, S. A., B.A., Montreal.
Hornbeck, C. S., Kingston, N.Y.
Hooper, H. S., Brownsburg, Que.
Humphreys, J. C., Kinburn, Ont.
Hutchison, K. O., Montreal.
Jamieson, W. D. S., Clapham P.O., Que.
Jones, F. E., Ottawa, Ont.
Kearns, P. J., Ottawa, Ont.
Keeping, B. C., Murray Harbor, P.E.I.
Kenning, S. G., Victoria, B.C.
Kinsman, R. P., Waterville, N.S.
Lally, L. M. J., Ottawa, Ont.
*Lande, J., B.A., Montreal.
Lapp, V. R., Cobourg, Ont.
Learoyd, D. R., Ottawa, Ont.
Levitt, Abel, North Bay, Ont.
Lockhart, J. R., Bristol, N.B.
McBride, C. D., So. Edmonton, Alta.
McCaffrey, L. E., Ormstown, Que.
McGillivray, A. M., Dalkeith, Ont.
McIntyre, Preston, Montague, P.E.I.
McKee, W. B., Rossburn, Man.
Malamud, Wm., Montreal.
Malo, R. F., Sudbury, Ont.
*Manning, C. E., B.A., Magog, Que.
Mapplebeck, T. E., Rochester, N.H.
Moret, H., Volois, Switzerland.
Mulloy, J. K., Wetaskiwin, Alta.
Murray, J. S., River John, N.S.
Ofiesh, K. F., Montreal.
Orobko, John, Edmonton, Alta.
Palmer, J. H., Gagetown, N.B.
Paradis, C. O., Bessemer, Mich.
Parkins, G. A., B.A., Montreal.
Patterson, R. E., Merigomish, N.S.
Pendrigh, R. M., St. John, N.B.
Planche, L. S., B.A., Cookshire, Que.
Porter, W. A., B.A., Yarmouth, N.S.
Raftery, C. R., Montreal.
Riddell, A. E., Morrisburg, Ont.
Robillard, J. J., B.A., Ottawa, Ont.
Ross, C. B., B.A., Lucan, Ont.

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* Double Course.

Ross, F. D. E., Montreal.
Ryan, E. J., Montreal.
Sanders, J. L., B.A., Ottawa, Ont.
Scherzer, M., Montreal.
Scriver, W. de M., B.A., Montreal.
Scott, J. W., Edmonton, Alta.
Silverman, B., Montreal.
Smith, E. K., Knoxville, Tenn.
Smith, H. B., Gloversville, N.Y.
Smith, J. W. H., St. Thomas, Ont.
Stewart, C. C., Perth, Scotland.
Strasberg, Alex., Montreal.
*Strean, Geo., B.A., Montreal.
Tennant, P. S., Vernon, B.C.
Thompson, E. E., Georgetown, British Guiana.
Thompson, G. E., Edmonton, Alta.
Trefry, H. S., Yarmouth, N.S.
Tremble, G. E., Montreal.
Usher, S. J., B.A., Montreal.
Valentine, J. B., Ottawa, Ont.
Walters, L. J., Ottawa, Ont.
Walton, R. A., Fort Saskatchewan, Alta.
Whitcomb, H. A., Smith's Falls, Ont.
Whiting, H. St. J., Montreal.
Wilson, P. M., Vancouver, B.C.
Young, M. A. R., Edmonton, Alta.

DIPLOMA OF PUBLIC HEALTH.

Gorssline, R. M., M.D., Ottawa, Ont.
Martin, A. J., B.A., M.D., Montreal.
Shaw, R. McL., M.D., Penobsquis, N.B.

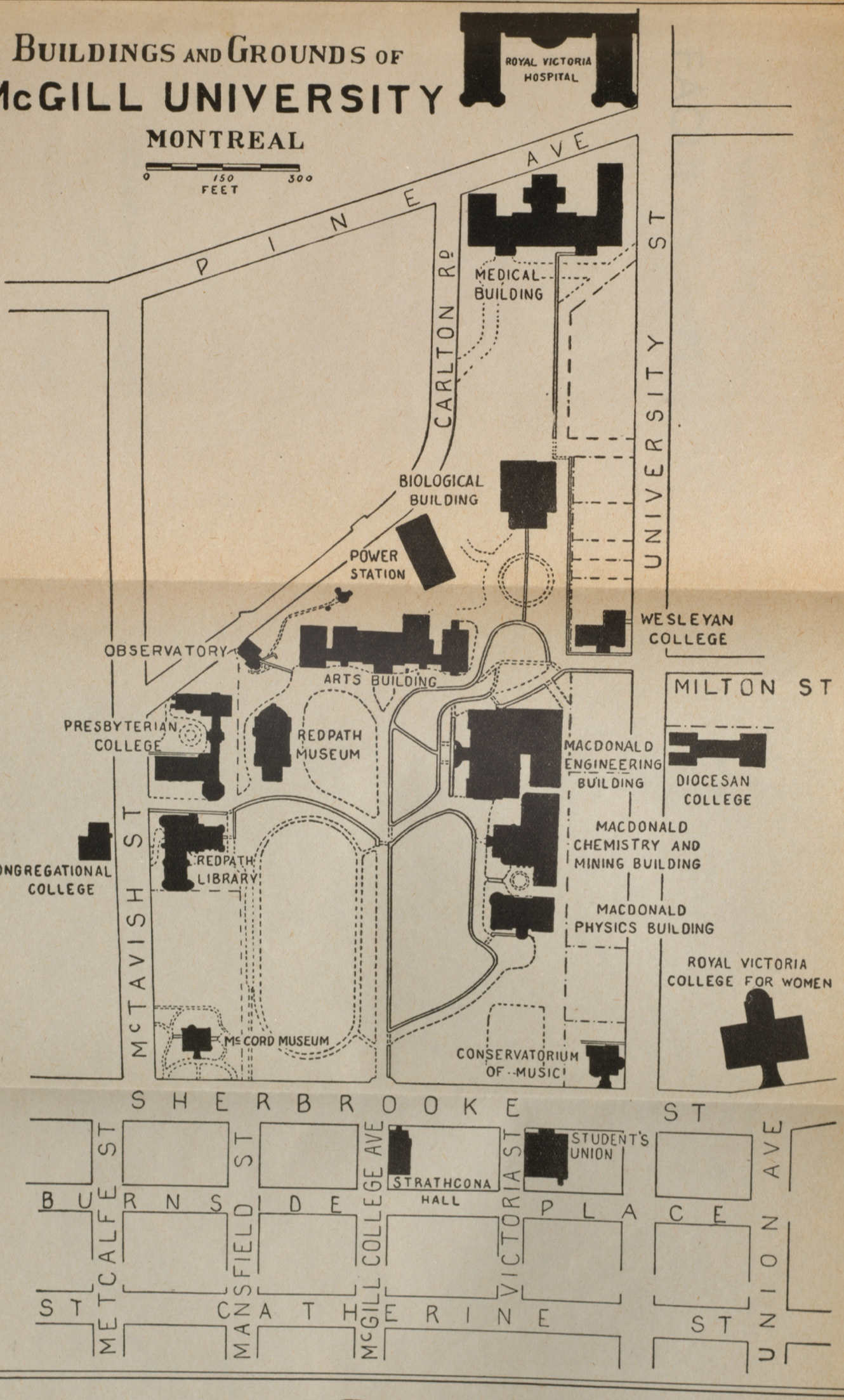
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FACULTY *of* MEDICINE



NINETY-FIRST SESSION

1922-1923

THE GAZETTE PRINTING CO., LIMITED, MONTREAL.

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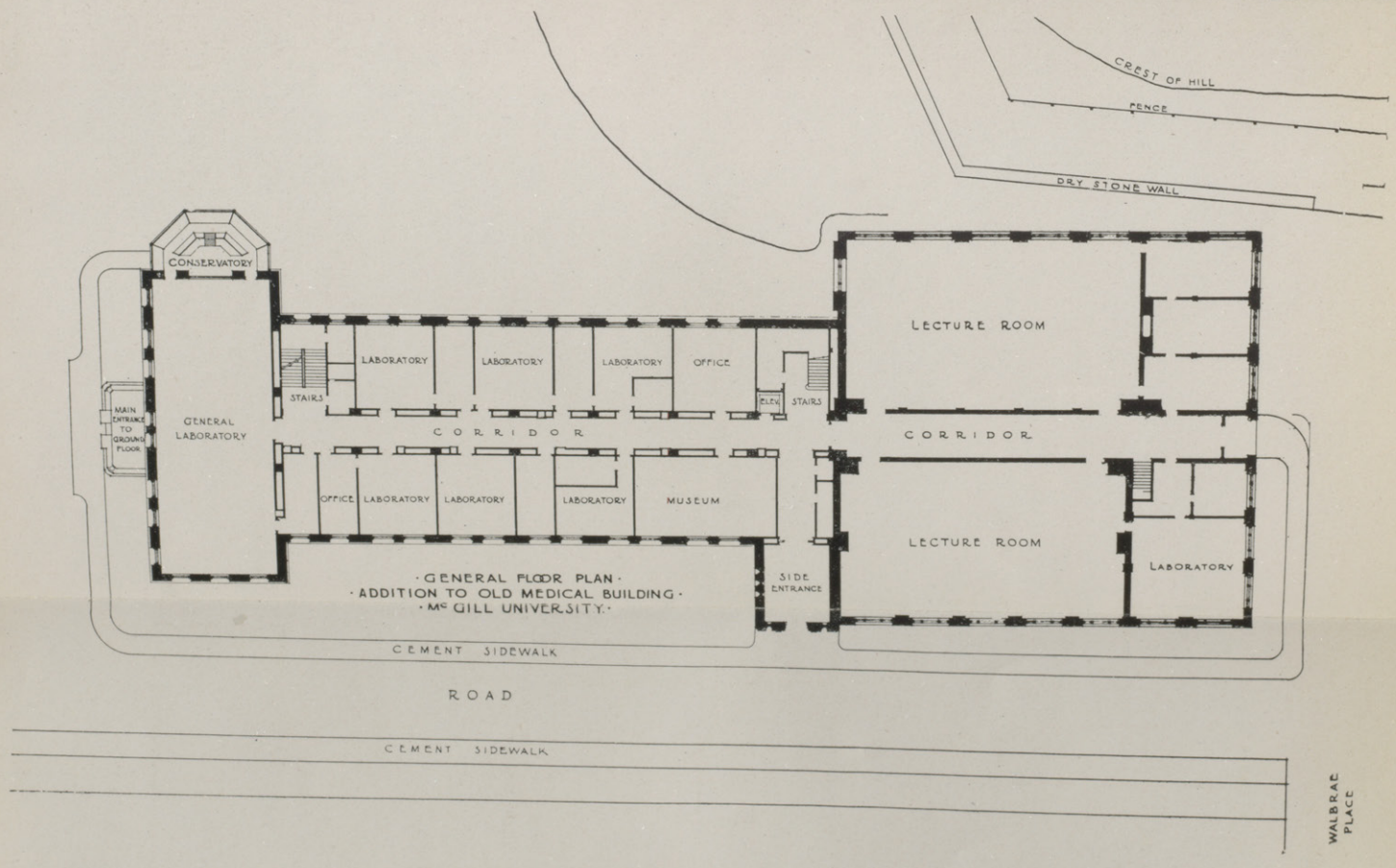
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7th Month — JULY xxxi days — 1921.

1	S.	Dominion Day.
2	S.	
3	M.	Prof. Exams. Prince Edward Island.
4	Tu.	
5	W.	
6	Th.	
7	F.	
8	S.	
9	S.	
10	M.	
11	Tu.	Meeting College, P. & S. Quebec (at Montreal). Prof. Exams. Saska chewan.
12	W.	
13	Th.	
14	F.	
15	S.	Dr. W. Robertson died, 1844.
16	S.	
17	M.	
18	Tu.	
19	W.	
20	Th.	
21	F.	
22	S.	
23	S.	
24	M.	
25	Tu.	
26	W.	
27	Th.	
28	F.	
29	S.	
30	S.	
31	M.	Dr. R. L. MacDonnell died, 1891.

1	Tu.	
2	W.	
3	Th.	
4	F.	
5	S.	Duverney born, 1648.
6	S.	
7	M.	Prof. Geo. Wilkins died, 1916.
8	Tu.	
9	W.	
10	Th.	
11	F.	
12	S.	
13	S.	
14	M.	Prof. Exams. Alberta.
15	Tu.	Lavoisier born, 1743.
16	W.	
17	Th.	
18	F.	
19	S.	
20	S.	
21	M.	
22	Tu.	Sir A. Cooper born, 1768.
23	W.	
24	Th.	
25	F.	
26	S.	
27	S.	
28	M.	
29	Tu.	
30	W.	
31	Th.	

9th Month SEPTEMBER xxx days. 1922.

1	F.	
2	S.	
3	S.	
4	M.	
5	Tu.	Prof. Exams. Newfoundland.
6	W.	
7	Th.	
8	F.	
9	S.	Galvani born, 1737.
10	S.	
11	M.	
12	Tu.	
13	W.	Meeting College, P. & S. Quebec.
14	Th.	
15	F.	
16	S.	
17	S.	
18	M.	Matriculation Exams. begin. Supplemental Exams. begin.
19	Tu.	
20	W.	
21	Th.	
22	F.	
23	S.	
24	S.	
25	M.	
26	Tu.	Prof. Exams. Nova Scotia.
27	W.	
28	Th.	
29	F.	
30	S.	

10th Month — OCTOBER xxxi days. — 1922

1	S.	
2	M.	Lectures begin Prof. G. P. Girdwood died, 1917.
3	Tu.	
4	W.	Physical Exam. First Year Students.
5	Th.	
6	F.	James McGill born, 1744, Founder's Day. Prof. James Stewart died, 1906. First Examinations Med. Council of Canada, 1913.
7	S.	Register closes for session 1922-23.
8	S.	Fallopius died, 1562.
9	M.	Dr. A. F. Holmes died, 1860.
10	Tu.	Medical Council of Canada Exams.
11	W.	Prof. F. Buller died, 1905. Meeting of Corporation.
12	Th.	
13	F.	Reamur died, 1857.
14	S.	
15	S.	Vesalius died, 1564.
16	M.	
17	Tu.	
18	W.	
19	Th.	Baillie born, 1761.
20	F.	Intercollegiate Sports. (All classes suspended.)
21	S.	
22	S.	
23	M.	
24	Tu.	British Columbia Med. Board.
25	W.	
26	Th.	
27	F.	
28	S.	Lectures began in Montreal Med. Ins. in 1824.
29	S.	
30	M.	
31	Tu.	

11th Month NOVEMBER xxx days. 1922.

1	W.	
2	Th.	
3	F.	
4	S.	
5	S.	
6	M.	First lectures delivered in Med. Faculty 1829.
7	Tu.	Dr. George Ross died, 1892. Prof. G. R. Mines died, 1914. Prof. Exams. Province of Ontario.
8	W.	
9	Th.	Edward VII born, 1841.
10	F.	
11	S.	Bichat born, 1771.
12	S.	
13	M.	
14	Tu.	Dr. Duncan MacCallum died, 1904.
15	W.	
16	Th.	
17	F.	
18	S.	Sir William Dawson died, 1899.
19	S.	
20	M.	
21	Tu.	
22	W.	
23	Th.	
24	F.	
25	S.	
26	S.	
27	M.	
28	Tu.	
29	W.	
30	Th.	

12th Month DECEMBER xxxi days. 1922.

1	F.	
2	S.	
3	S.	
4	M.	
5	Tu.	
6	W.	
7	Th.	
8	F.	Herbert Spencer died, 1903.
9	S.	
10	S.	
11	M.	
12	Tu.	
13	W.	
14	Th.	Meeting of Corporation. James McGill died, 1813.
15	F.	
16	S.	
17	S.	
18	M.	
19	Tu.	
20	W.	
21	Th.	Christmas Vacation begins. Potts died, 1788.
22	F.	
23	S.	
24	S.	
25	M.	Christmas Day.
26	Tu.	Peyer born, 1653.
27	W.	
28	Th.	
29	F.	
30	S.	
31	S.	Boerhaave born, 1688.

1st Month JANUARY xxxi days. 1923.

1	M.	New Year's Day. Royal Victoria Hospital opened, 1894.
2	Tu.	
3	W.	Linacre born, 1460. Lectures resumed.
4	Th.	
5	F.	
6	S.	
7	S.	
8	M.	
9	Tu.	Prof. Exams. Saskatchewan.
10	W.	
11	Th.	
12	F.	
13	S.	First Term ends. Lower born, 1653.
14	S.	
15	M.	Examinations. (First Second and Third Year Students.)
16	Tu.	
17	W.	
18	Th.	
19	F.	
20	S.	Lord Strathcona died, 1914.
21	S.	Dr. Wm. Caldwell died, 1833.
22	M.	Second Term begins. Queen Victoria died, 1901.
23	Tu.	New Brunswick Prof. Exams.
24	W.	
25	Th.	
26	F.	Dr. A. A. Browne died, 1910.
27	S.	
28	S.	
29	M.	Charter granted to Montreal General Hospital, 1823.
30	Tu.	
31	W.	

2nd Month FEBRUARY xxviii days. 1923.

1	Th.	
2	F.	
3	S.	Dr. Sutherland died, 1875.
4	S.	
5	M.	Willis born, 1622.
6	Tu.	
7	W.	
8	Th.	
9	F.	
10	S.	
11	S.	
12	M.	
13	Tu.	
14	W.	Ash Wednesday. Meeting of Corporation.
15	Th.	Laennec born, 1781. John Hunter born, 1728. Dr. Archibald Hall died, 1868. Prof. Wesley Mills died, 1915.
16	F.	
17	S.	
18	S.	
19	M.	
20	Tu.	
21	W.	
22	Th.	
23	F.	
24	S.	Albinus born, 1697. Morgagni born, 1682.
25	S.	
26	M.	
27	Tu.	
28	W.	

3rd Month MARCH xxxi days. 1923.

1	Th.	
2	F.	
3	S.	
4	S.	
5	M.	
6	Tu.	
7	W.	
8	Th.	
9	F.	
10	S.	Malphighi born, 1628.
11	S.	
12	M.	
13	Tu.	
14	W.	
15	Th.	
16	F.	Prof. J. C. Cameron died, 1912.
17	S.	
18	S.	
19	M.	
20	Tu.	
21	W.	
22	Th.	
23	F.	
24	S.	
25	S.	
26	M.	
27	Tu.	Dr. R. P. Howard died, 1889.
28	W.	
29	Th.	
30	F.	Good Friday.
31	S.	

1	S.	
2	M.	Prof. Exams. Alberta.
3	Tu.	Abernethy born, 1764.
4	W.	
5	Th.	
6	F.	
7	S.	
8	S.	
9	M.	
10	Tu.	
11	W.	Sydenham born, 1624. Prof. James Bell died, 1911. Meeting of Corporation.
12	Th.	
13	F.	
14	S.	
15	S.	
16	M.	Dr. William Wright died, 1908. Medical Building burned, 1907. Manitoba Prof. Exams.
17	Tu.	
18	W.	
19	Th.	
20	F.	
21	S.	
22	S.	
23	M.	
24	Tu.	
25	W.	
26	Th.	
27	F.	
28	S.	Lectures end.
29	S.	
30	M.	

5th Month MAY xxxi days. 1923.

1	Tu.	Montreal General Hospital opened for patients, 1822.
2	W.	
3	Th.	
4	F.	
5	S.	
6	S.	Edward VII. died, 1910.
7	M.	McGill General Hospital (No. 3) left for France, 1915-1919. Examinations begin.
8	Tu.	
9	W.	
10	Th.	
11	F.	
12	S.	
13	S.	
14	M.	Heberden born, 1710.
15	Tu.	
16	W.	
17	Th.	Prof. Exams. Nova Scotia.
18	F.	Edward Jenner born, 1749.
19	S.	
20	S.	
21	M.	Dr. Scott died, 1883.
22	Tu.	
23	W.	
24	Th.	
25	F.	Victoria Day.
26	S.	
27	S.	
28	M.	Dr. G. W. Campbell died, 1882.
29	Tu.	John H. R. Molson died, 1897.
30	W.	
31	Th.	

6th Month		JUNE xxx days.	1923.
1	F.	Prof. Exams. Quebec.	
2	S.		
3	S.	George V. born, 1865. Corner-stone Mont. Gen. Hospital laid, 1821.	
4	M.	Prof. Exams. Ontario.	
5	Tu.	Opening of New Medical Building, 1911. Eustachius died, 1574.	
6	W.		
7	Th.		
8	F.		
9	S.		
10	S.		
11	M.		
12	Tu.	Med. Council of Canada Exams.	
13	W.	Meeting of Corporation.	
14	Th.		
15	F.		
16	S.	Sir William Macdonald died, 1917.	
17	S.		
18	M.		
19	Tu.	Dr. Wyatt Johnston died, 1902. Rolando born, 1773.	
20	W.		
21	Th.		
22	F.		
23	S.		
24	S.		
25	M.	Dr. George Fenwick died, 1894.	
26	Tu.	New Brunswick Prof. Exams. Dr. Robert Craik died, 1906.	
27	W.	Mont. Med. Institution became Med. Fac. 1829.	
28	Th.		
29	F.		
30	S		

Governing Body of the University.

VISITOR.

HIS EXCELLENCY JULIAN HEDWORTH GEORGE,
BARON BYNG OF VIMY,
G.C.B., G.C.M.G., M.V.O.,

GOVERNOR-GENERAL OF CANADA, ETC.

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President and Chancellor

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Principal and Vice-Chancellor.

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RIGHT HON. LORD ATHOLSTAN, LL.D.
EUGENE LAFLEUR, B.A., B.C.L., LL.D., K.C.
C. G. DRINKWATER, Esq. B.A.Sc.

Officers and Members of the Faculty Since its Origin.

DEANS.

Dr. W. Robertson, official head of the Montreal Medical Institution, 1823, succeeded by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with title of Secretary. Dr. A. F. Holmes was the first Dean, 1854.

Geo. W. Campbell, 1860.
Robt. Craik, 1889.
R. P. Howard, 1882.
George Ross (Vice-Dean), 1889.

Thomas G. Roddick, 1901.
Herbert S. Birkett, 1914.
Francis J. Shepherd, 1908.
F. G. Finley, 1921.

REGISTRARS.

John Stephenson, 1829.
William Wright, 1864.
William Osler, 1877.
Jas. Stewart, 1884.
E. M. Eberts, 1902.
Archibald Hall, 1842.
Robt. Craik, 1869.
F. J. Shepherd, 1883 (acting).
R. F. Ruttan, 1891.
J. W. Scane, 1903.

CHAIR OF MEDICINE.—(Founded 1824.)

William Caldwell, 1824.
R. Palmer Howard, 1860.
George Ross, 1889.
F. G. Finley, 1907.
Andrew F. Holmes, 1842.
William Robertson, 1883.
James Stewart, 1893.
C. F. Martin, 1907.
H. A. Lafleur, 1907.

CHAIR OF SURGERY.—(Founded 1824.)

John Stephenson, 1824.
Geo. E. Fenwick, 1875.
Jas. Bell, Prof., 1907.
G. W. Campbell, 1835.
T. G. Roddick, 1890.
George E. Armstrong, 1907.
J. A. Hutchison, 1913.

CHAIR OF OBSTETRICS.—(Founded 1824.)

William Robertson, 1824.
Michael McCulloch, 1842.
D. C. MacCallum, 1868.
Arthur A. Brown, 1883.
John Racey, 1883.
Geo. W. Campbell, 1835.
Archibald Hall, 1854.
J. Chalmers Cameron, 1886.
W. W. Chipman, 1913.

CHAIR OF ANATOMY.—(Founded 1824.)

John Stephenson, 1824.
Wm. E. Scott, 1856.
A. C. Geddes, 1913.
Oliver T. Bruneau, 1842.
Francis J. Shepherd, 1883.
S. E. Whitnall, 1919.

CHAIR OF CHEMISTRY.—(Founded 1824.)

Andrew F. Holmes, 1824.
William Sutherland, 1849.
Gilbert P. Girdwood, 1879.
Archibald Hall, 1842.
Robert Craik, 1867.
R. F. Ruttan, 1902.

CHAIR OF PRACTICAL CHEMISTRY.—(Founded 1872.)

Gilbert P. Girdwood, 1872.
R. F. Ruttan, 1894.

CHAIR OF PHYSIOLOGY.—(Founded 1824, Endowed 1897.)

John Stephenson, 1824.
Robert L. Macdonnell, 1845.
Joseph M. Drake, 1868.
Wesley Mills, 1886.
G. R. Mines, 1914.
Stephen C. Sewell, 1842.
William Fraser, 1849.
William Osler, 1874.
N. H. Alcock, 1911.
John Tait, 1919.

CHAIR OF PHARMACOLOGY AND THERAPEUTICS.
(Founded 1824.)

Andrew F. Holmes, 1824.
Stephen C. Sewell, 1842.
William Wright, 1854.
A. D. Blackader, 1891.
Archibald Hall, 1835.
A. Hall, 1849.
James Stewart, 1883.
H. G. Barbour(Pharmacology),1921.

CHAIR OF BOTANY.—(Founded 1829.)

Andrew F. Holmes, 1829.
J. W. Dawson, 1855.
J. W. Dawson, 1858.
Dr. Papineau, 1845.
James Barnston, 1857.
D. P. Penhallow, 1883.
F. E. Lloyd, 1912.

CHAIR OF CLINICAL MEDICINE.—(Founded 1845.)

James Crawford, 1845 and 1852.
Stephen C. Sewell, 1850.
Duncan C. MacCallum, 1860.
George Ross, 1872.
James Stewart, 1891.
H. A. Lafleur, 1907.
Robt. L. Macdonnell, 1849.
R. Palmer Howard, 1856.
Joseph M. Drake, 1872.
Richard L. MacDonnell, 1889.
F. G. Finley, 1907.
C. F. Martin, 1907.

CHAIR OF CLINICAL SURGERY.—(Founded 1840.)

James Crawford, 1845.
Duncan C. MacCallum, 1856.
George E. Fenwick, 1867.
James Bell, 1894.
William E. Scott, 1852.
Robert Craik, 1860.
Thomas G. Roddick, 1875.
Geo. E. Armstrong, 1907.
J. A. Hutchison, 1913.

CHAIR OF MEDICAL JURISPRUDENCE.—(Founded 1845.)

William Fraser, 1845.
Francis C. T. Arnoldi, 1850.
William Wright, 1852.
Duncan C. MacCallum, 1860.
William Gardner, 1875.
Francis Badgley, 1849.
William E. Scott, 1851.
R. Palmer Howard, 1854.
George E. Fenwick, 1867.
George Wilkins, 1883.
D. D. MacTaggart, 1911.

CHAIR OF HYGIENE AND PUBLIC HEALTH.

(Founded 1871, Endowed 1893.)

George Ross, 1871.
Robert T. Godfrey, 1875.
R. L. MacDonnell, 1886.
Wyatt Johnson, 1902.
Thomas G. Roddick, 1873.
William Gardner, 1879.
Robert Craik, 1889.
T. A. Starkey, 1902.

CHAIR OF OPHTHALMOLOGY AND OTOLOGY.

(Founded 1883.)
Frank Buller, 1883.

CHAIR OF GYNAECOLOGY.—(Founded 1883.)

William Gardner, 1883.
W. W. Chipman, 1910.

CHAIR OF PATHOLOGY.—(Founded 1892, Endowed 1893.)

J. Geo. Adami, 1892.
H. Oertel, 1919.

CHAIR OF LARYNGOLOGY.—(Founded 1893.)

G. W. Major, 1893.
H. S. Birkett, 1895.

CHAIR OF ZOOLOGY.

E. W. MacBride, 1902.
Arthur Willey, 1910.

CHAIR OF OTO-LARYNGOLOGY

H. S. Birkett, 1906.

CHAIR OF OPHTHALMOLOGY.

J. W. Stirling, 1906.

CHAIR OF HISTORY OF MEDICINE.

Andrew Macphail, 1907.

CHAIR OF BIO-CHEMISTRY.

A. B. Macallum, 1920.

Benefactors of the Faculty of Medicine.

I.—Leanchoil Endowment.

Lord Strathcona and Mount Royal, G.C.M.G. (1883) $50,000

II.—Campbell Memorial Endowment.

Established in 1883 ..... $48,906

III.—The Drake Endowment.

From 1891 to 1897, $500 per annum towards the expenses of the Chair of Physiology.

Endowment of the Joseph Morley Drake Chair of Physiology. Walter Drake and Esther Maria Drake $25,000

IV.—The Dr. Geo. Major Donation.

Professor Geo. Major (1892) $500

V.—The Dow Bequest.

Mrs. Mary Dow (1892) $10,000

VI.—The Mrs. John McDougall Donation.

Mrs. John McDougall (1892), to bear Dr. Craik's name $1,000

VII.—The Molson Fund.

Mr. John H. R. Molson in 1892 ..... $60,000

VIII.—The Lord Strathcona and Mount Royal Endowment.

In 1893 for the Chairs of Pathology and Sanitary Science $100,000

IX.—The Learmont Bequest.

Miss Jane Learmont (1894), to bear Dr. Craik's name $3,000

X.—The Lord Strathcona and Mount Royal Building Fund.

In 1898 in the names of Lady Strat cona and the Honorable Mrs. Howard.

Lady Strathcona $50,000
Hon. Mrs. Howard 50,000

XI.—The David Morrice Donation.

In 1901, for the equipment and carrying on of research work in the "Eddie Morrice" laboratory of Pharmacology.....$5,250

XII.—The Lord Strathcona Donation.

In 1904.....$50,000

XIII.—The James Ross Donation.

During the session of 1905-06 to meet the expense of some special research work in the Department of Pathology and Bacteriology.....$350

XIV.—The H. W. Thornton Memorial Fund.

In 1908 through Dr. J. J. Gardner to commemorate the name of Dr. H. W. Thornton, of New Richmond, Que.....$3,000

XV.—The Lord Strathcona Building Fund.

In July, 1909.....$450,000

XVI.—The Medical Faculty Relief Fund.

Subscribed by the graduates in medicine to meet the loss sustained by the destruction of the Medical Building in the spring of 1907....$12,571

XVII.—The Lord Strathcona Equipment Fund.

In June, 1911.....$100,000

XVIII.—The Arthur Browne Memorial Fund.

During the session 1910-11.....$10,000

XIX.—The John Baillie Donation.

In 1911, $500 for three years for research.....$1,500

XX.—The Dr. James Douglas Fund.

In 1911, Dr. James Douglas, to found a Fellowship in Pathology and Clinical Research.....$25,000

XXI.—The Edward McDougall Morrice Endowment.

In 1911, Mr. David Morrice, in memory of Edward McDougall Morrice, for the Department of Pharmacology.....$10,000

For the same object the D. Morrice Co. gave the sum of $2,500, Mr. R. B. Morrice the sum of $500, and Dr. A. D. Blackader the sum of $1,000.....$4,000

XXII.—The Robert Reford Endowment.

In 1911, Mr. Robert Reford, as an endowment for the Department and Chair of Anatomy.....$100,000

XXIII.—The James Cooper Endowment.

In 1912, as an endowment for study and research in internal and experimental medicine.....$60,000

XXIV.—The Dr. Casey Wood Donation.

In 1904, for the maintenance of the section of Ophthalmology in the Medical Library.....$1,000

XXV.

In 1914, the Executors of the Estate of the late Dr. Lorne Campbell, to replace the portrait of the late Dr. Geo. W. Campbell.....$200

XXVI.—The Sir Wm. Macdonald Donation.

In 1918, from the Estate of the late Sir William Macdonald, Chancellor of the University.....$500,000

XXVII.—The Dr. John W. Flinn Donation.

In 1921 (For research in Tuberculosis).....$5,000

Faculty of Medicine.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D., Principal.

F. G. FINLEY, C.B., M.D., Dean.

J. W. SCANE, M.D., Assistant Dean.

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The above Professors constitute the Faculty of Medicine.

Other Officers of Instruction.

T. J. W. Burgess, M.D., F.R.S.C., Professor of Mental Diseases, Protestant Hospital for Insane, Verdun. (Box 2280, Montreal.)

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J. W. Scane, M.D., Assistant Professor of Pharmacology, Assistant Dean, McGill College.

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A. Howard Pirie, M.D., Lecturer in Radiology, Royal Victoria Hospital.

W. A. Wilkins, M.D., Lecturer in Radiology, Montreal General Hospital.

F. W. Harvey, B.A., M.D., Medical Director of Physical Education, 4007 Dorchester Street West.

FELLOWS AND SCHOLARS.

T. R. Waugh, B.A., M.A., M.D., Dr. James Douglas Fellow in Pathology, Royal Victoria Hospital.

J. F. Logan, M.A., The John McCrae Scholar, McGill College.

J. C. Armour, M.D., The John W. Flinn Scholar.

S. W. Britton, B.Sc., Cooper Scholar, McGill College.

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C. K. P. Henry, M.D., Demonstrator of Surgery and Clinical Surgery, 4549 Sherbrooke Street.

A. R. Pennoyer, M.D., Demonstrator of Surgery and Clinical Surgery 418 Mackay Street.

J. A. Nutter, B.A., M.D., Demonstrator of Orthopædic Surgery, 607 Drummond Building.

F. McKenty, M.D., F.R.C.S., Demonstrator of Surgery and Clinical Surgery, 648 Union Avenue.

R. H. M. Hardisty, D.S.O., M.C., B.A., M.D., Demonstrator of Medicine and Clinical Medicine, 52 McGill College Avenue.

J. G. Browne, M.D., Demonstrator of Medicine and Clinical Medicine, 294 Sherbrooke Street West.

D. W. McKechnie, D.S.O., M.D., Demonstrator of Medicine and Clinical Medicine, 1798 Park Avenue.

Hamilton White, B.A., M.D., Demonstrator of Oto-Laryngology, 756 Sherbrooke Street West.

J. T. Rogers, M.D., Demonstrator of Oto-Laryngology, 758 Sherbrooke Street West.

W. J. Patterson, M.D., Demonstrator of Orthopedic Surgery, 386 Sherbrooke Street West

R. E. Powell, M.D., Demonstrator of Genito-Urinary Surgery, 132 Crescent Street.

W. E. Enright, B.A., M.D., Demonstrator of Pediatrics, 4166 Dorchester Street West.

D. G. Campbell, M.D., Demonstrator of Medicine and Clinical Medicine, 443 Mackay Street.

A. G. Morphy, M.D., Demonstrator of Psychiatry, 761 Sherbrooke Street West.

J. MacMillan, M.D., Demonstrator of Ophthalmology, 129 Stanley St.

A. G. McAuley, M.D., Demonstrator of Ophthalmology, 621 Dorchester Street West.

A. H. MacCordick, M.D., Demonstrator of Medicine and Clinical Medicine 131 Stanley Street.

C. C. Birchard, M.D., Demonstrator of Medicine and Clinical Medicine, McGill College.

E. E. Robbins, M.D., Demonstrator of Medicine and Clinical Medicine, 1963 Park Avenue.

D. MacCallum, M.D., Demonstrator of Medicine and Clinical Medicine, 154 Drummond Street.

H. A. Sims, M.D., Demonstrator of Psychiatry, 133 Durocher Street.

W. J. Scott, M.D., Demonstrator of Pathology, Montreal General Hospital.

V. Henry, B.A., M.Sc., Demonstrator of Physics, McGill College.

J. F. Logan, M.A., Demonstrator of General Chemistry, McGill College.

L. M. Lindsay, M.D., Demonstrator of Pediatrics, 52 McGill College. Avenue.

N. Viner, M.D., Demonstrator of Neurology, 133 Bishop Street.

W. W. Beattie, B.A., M.D., Demonstrator of Pathology, 309 Stanley Street.

G. J. Cassidy, M.D., Assistant in Physiology, 306 Prince Arthur Street West.

A. D. Campbell, M.D., Senior Demonstrator of Anatomy, 131 Bishop Street.

R. B. Malcolm, M.D., Demonstrator of Anatomy, 295 Querbes Avenue.

L. H. McKim, M.D., Demonstrator of Anatomy and Assistant Demonstrator of Surgery and Clinical Surgery, 131 Bishop Street.

G. A. Fleet, M.D., Demonstrator of Anatomy, 553 Papineau Avenue.

A. Ross, M.C., B.A., M.D., Demonstrator of Anatomy and Assistant Demonstrator of Surgery and Clinical Surgery, 151 Decarie Boulevard.

M. Seng, M.D., Demonstrator of Urology, 760 Sherbrooke Street West.

L. L. Reford, M.D., Demonstrator of Anatomy, 287 Drummond Street.

I. Rabinovitch, M.D., Demonstrator of Medicine and Clinical Medicine and Assistant Demonstrator of Biochemistry, Montreal General Hospital.

Guy Johnson, M.A., M.D., F.R.C.S. Edin., Demonstrator of Anatomy and of Surgery and Clinical Surgery, 453 Sherbrooke Street West.

E. C. Levine, M.D., Demonstrator of Surgery and Clinical Surgery, 271 Bishop Street.

C. R. Bourne, M.D., Demonstrator of Medicine and Clinical Medicine, 4174 St. Catherine Street West.

Ivan Patrick, M.D., Demonstrator of Histology and Embryology, McGill College.

John Armour, M.D., Demonstrator of Physiology, McGill College.

E. V. Murphy, M.D., Demonstrator of Medicine and Clinical Medicine, Alexandria Hospital.

A. T. Henderson, M.D., Demonstrator of Medicine and Clinical Medicine, 386 Sherbrooke Street West.

F. N. K. Falls, M.D., Demonstrator of Anatomy, 5724 Sherbrooke Street West.

E. Lozinsky, M.D., Demonstrator of Pharmacology, McGill College.

A. Moyse, M.D., Demonstrator of Pharmacology, 818 Dorchester Street West.

Keith Hutchison, M.D., Demonstrator of Pathology, Royal Victoria Hospital.

L. C. Read, M.D., Demonstrator of Pathology.

ASSISTANT DEMONSTRATORS.

W. H. Smyth, B.A., M.D., Assistant Demonstrator of Surgery and Clinical Surgery, 4822 Western Avenue.

H. D. Ballon, B.A., M.D., Assistant Demonstrator of Oto-Laryngology, 255 Bishop Street.

J. Rosenbaum, M.D., Assistant Demonstrator of Ophthalmology, 36 Sherbrooke Street West, Apt. 2.

H. P. Wright, B.A., M.D., Assistant Demonstrator of Pediatrics, 52 McGill College Avenue.

D. L. Mendel, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 1729 Park Avenue.

A. Bramley-Moore, M.D., Assistant Demonstrator of Ophthalmology, 820 Dorchester Street West.

R. P. Wright, D.S.O., C.M.G., M.D., Assistant Demonstrator of Oto-Laryngology, 637 Union Avenue.

G. E. Hodge, M.D., Assistant Demonstrator of Oto-Laryngology, 603 Dorchester Street West.

Alton Goldbloom, B.A., M.D., Assistant Demonstrator of Pediatrics, 199 Bishop Street.

A. B. Chandler, M.D., Assistant Demonstrator of Pediatrics, 131 Bishop Street.

F. R. Brown, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 453 Sherbrooke Street West.

H. F. Eberts, M.D., Assistant Demonstrator of Biochemistry, McGill College.

S. W. Britton, B.Sc.(Med.), Assistant Demonstrator of Physiology, McGill College.

C. R. Joyce, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 1967 Park Avenue.

J. J. Walker, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 1567 Park Avenue.

J. C. Wickham, M.D., Assistant Demonstrator of Medicine and Clinical Medicine, 4484 Sherbrooke Street West.

W. E. Williams, M.D., Assistant Demonstrator of Pediatrics, 1834 Park Avenue.

C. Stewart, M.D., Assistant Demonstrator of Pediatrics, 5864 Sherbrooke St. W.

J. M. Kinsman, M.D., Assistant Demonstrator of Pathology, Royal Victoria Hospital.

J. H. B. Grant, M.D., Assistant Demonstrator of Pathology, Royal Victoria Hospital.

W. De M. Scriver, M.D., Assistant Demonstrator of Pathology, Royal Victoria Hospital.

FACULTY OF MEDICINE.

The ninety-first session of the Faculty will be opened on October 2nd, 1922. The regular lectures in all subjects will begin on October 3rd, at the hours specified in the time-tables, and will continue until April 30th, 1923.

FOUNDATION AND EARLY HISTORY.

The Faculty of Medicine of McGill University is the direct outcome and continuance of a teaching body known as the Montreal Medical Institution, which was organized as a medical school in the years 1823-24 by Drs. Wm. Robertson, Wm. Caldwell, A. F. Holmes, John Stephenson and H. P. Loedel. These men constitute the first medical staff of the Montreal General Hospital, itself established in 1819. The first session of the Montreal Medical Institution opened in November, 1824, with 25 students, and the lectures were given at the house of the Institution, No. 20 St. James Street, a building situated in the north side of St. James Street, at or near Place d'Armes.

In the year 1829, the Montreal Medical Institution became, by the formal act of the Governors of the Royal Institution for the Advancement of Learning, the Medical Faculty of McGill University. It is thus the oldest Faculty of the University. The first session of the McGill Medical Faculty took place in the winter of 1829-30, and the first university degree, a medical one, was conferred four years later in 1833.

There were no sessions held during the political troubles of 1836 to 1839, and it is owing to this fact that this is the ninety-first instead of the ninety-fourth session of the Faculty, dating from its incorporation with the University in the year 1829.

The work of the Faculty was carried on in the central part of the city until 1872, when a building was provided by the Governors on the University grounds. This building met the demands of the steadily increasing number of students until 1885, when an addition was found to be necessary.

In 1893 and again in 1897, further extensions and alterations were made, funds for the purpose having been provided by generous friends of the Faculty.

On the 16th of April, 1907, a part of these new buildings, together with the original medical building, was destroyed by fire. The wing containing the principal laboratories and lecture rooms was saved, however, and is now as a part of the Departments of Physiology and Medical Chemistry.

The erection of a new building was at once begun on a new site, at the corner of Pine Avenue and University Street, and in 1910 the greater part of it was ready for occupation. In 1911 it was wholly available for the work of the Faculty.

THE BIOLOGICAL BUILDING.

The recently completed Biological Building will be ready for occupancy by September 1st, 1922. It has been erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The new building, with the remaining part of the original Medical Building, constitutes a single system which will be devoted to teaching and research in zoology, botany and general physiology, biochemistry, animal and human physiology, and pharmacology. Each of these departments will occupy a single floor—botany being on the first floor, and the other departments on the upper floors in ascending order.

The building is distinguished by commodious laboratories occupying the south end—each being large enough to accommodate comfortably 96 students. The building is fully equipped in a thoroughly modern way, and will afford every comfort and facility for work in the departments mentioned. The total length of the building is 184 feet. The inside dimensions of the general laboratories at the south end are 30 x 80. The Department of Botany is also provided with a laboratory for plant physiology with three glass houses, each 18 x 60, the purpose of which is in part to provide living material for the work in general biology and general physiology. These buildings stand on the terrace immediately to the north of the Biological Building. There is also a small conservatory, constructed as part of the Biological Building, and adjoining the botanical laboratory. This will serve for demonstration materials and experiments for large classes.

THE PHYSIOLOGICAL LABORATORIES.

With the addition of the new structure to the "Old Medical Building" so as to form one large "Biological Building," it was arranged that the Department of Physiology should continue in occupation of its teaching quarters in the "Old Medical Building," and at the same time take over a complete floor of the new building. The new quarters thus provided include the fourth floor of the new building and the upper floor of the old building, the two suites of rooms forming one continuous department practically on the same level. The old quarters, containing the large teaching laboratories, have been assigned almost exclusively for the instruction of students, the new quarters providing, in the main, accommodation for research.

Teaching Section: The two main teaching laboratories, situated on the upper floor of the "Old Medical Building," are each lighted from roof and side and accommodate, in each case, ninety-six students. One of these, for the junior class, has long tables provided with separate motors and shafting for the recording drums. This room is fitted with display cases for physiological instruments and also contains a series of demonstration microscopes. The senior practical room, designed for mammalia

work, has sixteen fixed tables arranged in parallel rows (units) of four, each unit-group of four being set out at the same time with the same apparatus. All the tables are fitted with gas, with water-supply and with various electric leads, while units of four are, according to circumstances, provided with separately motor-driven, long-paper kymographs, with air-supply for artificial respiration, with hot water at controlled temperature for perfusion, etc. In close proximity to the two practical rooms is a demonstration theatre, employed for instruction at the commencement of practical work or independent demonstration, with an adjoining dark room of ample size for optical and other experiments.

On the top floor of the same building are also the workshop (equipped) with two lathes, one a Rivett, with milling machine, shaper, and drill press (each with all accessories), class preparation and store rooms, drum smoking and varnishing rooms, lavatories, and some research rooms.

Research Section: As before mentioned, this occupies one floor of the new edifice. It includes a class room for advanced practical instruction, two large research rooms for staff and for other research workers, a histology room (which includes a dark room), the professor's office and private research room, library, the associate professor's office and private research room, store room for instruments, balance, chemical and gas analysis rooms, string-galvanometer room, and animal quarters, including hospital, operating theatre, and sterilizing rooms.

The frog and turtle tanks are in the basement. A separate two-storey building, in close proximity to the department, gives accommodation for mammals.

MATRICULATION.

All inquiries relating to the examinations for entrance should be addressed to the Registrar of the University.

No student will be permitted to register in the Faculty of Medicine unless he has completely satisfied the matriculation requirements of the University.

For the session 1922-23, the minimum entrance requirements will be Senior Matriculation, as follows:—

Latin or **Greek, English, Mathematics**, and any three of the following;—**History, Latin**, or **Greek** (the one not already taken), **French, German, Spanish, Physics**, or **Chemistry** or **Biology.**

Particulars of the requirements in each subject may be had from the Registrar of the University.

1. Every student, before he can be enregistered as an undergraduate in Medicine, must present a certificate of having passed the Matriculation Examination of the Faculty of Medicine of this University, or having passed some provincial, state or university examination accepted by this University.

2. Matriculation examinations (for entrance into all Faculties) are held in June and September—in June at McGill University and local centres; in September at Montreal only, except in cases which require special consideration.

For the convenience of candidates in Great Britain, who are not otherwise qualified for entrance, an examination will be held regularly in London, Eng., each year, commencing on or about the 12th of June. Full information regarding the exact date of the examination, fee, etc., may be obtained from the Honorary Representative of the University, W. A. Bulkeley-Evans, Esq., M.A., Secretary, Headmasters' Conference, 5 Paper Buildings, Temple, London, E.C. 4.

3. Every candidate for examination is required to fill up an application form and return the same with the necessary fee (for which see below) one month before the examination begins. Blank forms may be obtained from the Registrar.

4. A candidate in order to pass must obtain at least 50 per cent. of the total number of marks allowed for each subject (in subjects in which two papers are set, 50 per cent. on the two and not less than 40 per cent. in either.)

This regulation also applies in the case of candidates who present certificates.

Women students may register in the double course for the degree of B.Sc. and M.D. or B.A. and M.D. Those having the degree of B.A. or B.Sc. in Arts from a recognized university or who have taken two years in the Arts course at a recognized university may register in the regular course for the degree of M.D., C.M.

Intending students who wish to enter by certificates should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high (see regulation 6). Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

Those who intend to practise medicine in any of the provinces of Canada will obtain information regarding registration and admission to study by corresponding with the Registrars of the several Provincial Medical Councils. (*See page 39.*)

FEES.

For the first examination.....$15.00
For a subsequent examination (per subject)..... 2.00

PHYSICAL EXAMINATIONS, VACCINATION AND HEALTH.

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative.

Students of all years in advance of the first, who wish to engage in athletic activities, are also required to be physically examined. Special days will be set aside early in the session for the examination of first and second year students.

By such examination physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics special exercise will be prescribed and instruction provided. The students will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for this examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

Students of the first two years are required to devote two hours a week to some form of physical exercise.

Provision is made by the Departments for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only except under special circumstances.

REGISTRATION.

In order to prevent overcrowding of class rooms and clinics it has been decided to limit the number of students registering in the first year of the medical course to one hundred. Early application is advised and should be made on the regular forms to be had from the Registrar.

1. Candidates for entrance into the Faculty of Medicine, whether as undergraduates or partial students, are required, some time during the week preceding the opening day of the session, to attend at the office of the Registrar of the University, or such other place as he may designate, in order to furnish the information necessary for the University records, to register for the classes which they propose to attend, and to sign the following declaration in the matricula or register: "I hereby accept and submit

myself to the statutes, rules and ordinances of McGill University and of the Faculty in which I am registered, and to any amendments which may be made while I am a student of the University, and I promise to observe the same."

Between September 21st and September 30th, both dates inclusive, students may register for the session 1922-23 at the Office of the University Registrar.

EQUIVALENT STANDING.

Any student of another university who desires to be admitted to the Medical Department of this University with equivalent standing is requested to send his application to the Dean of the Medical Faculty, together with:—

1st.—A Calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—A complete statement of the course he has followed.

3rd.—A certificate of the standing gained, and of conduct.

BOARD AND RESIDENCE.

Good board and lodging can be obtained in private houses in the vicinity of the University building at a cost of from $60 and upwards per month; or, separately, board at $45 to $55 per month; rooms from $15 to $20.

A list of suitable boarding and lodging houses is prepared about a fortnight before the opening of the session each year, and may be obtained on application to the Secretary of the Y.M.C.A., Strathcona Hall.

Excellent board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter, where meals are served *a la carte*.

Dormitory accommodation for about sixty is provided in Strathcona Hall, the home of the McGill Y.M.C.A. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the city met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

REQUIREMENTS FOR LICENSE TO PRACTISE.

Intending students are reminded that a University degree in Medicine does not always give a right to practise the profession of medicine. It is necessary to conform with the medical laws of the country or province in which it is proposed to begin practice. Each province in Canada at

present has its special requirements for license, and in most provinces a special standard of general education is insisted upon before beginning the study of Medicine. Students who intend practising in Canada are warned that in certain of the provinces it is necessary to be registered five years before obtaining a license to practise. It follows that entrance qualifications must be registered in the province in which the student intends to practise at the beginning of his course in Medicine.

For the convenience of students, a list of names and addresses of the Registrars of the Medical Councils in the several provinces is here given. Every student should comply with the requirements for registration in one or other of the provinces, before entering on his course in the Faculty of Medicine.

QUEBEC.—Dr. J. Gauvreau, Dandurand Bldg., corner St. Catherine and St. Denis Streets, Montreal.

ONTARIO.—Dr. H. Wilberforce Aikins, 170 University Avenue, Toronto.

NEW BRUNSWICK.—Dr. S. S. Skinner, St. John.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Charlottetown.

NEWFOUNDLAND.—Dr. H. Rendell, St. John's.

MANITOBA.—Dr. J. E. Coulter, Winnipeg.

ALBERTA.—Cecil Race, M.A., Edmonton.

SASKATCHEWAN.—Dr. G. A. Charlton, Regina.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver.

DOMINION REGISTRATION.

In order to take the examinations of the Medical Council of Canada a Candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Council that he holds qualifications accepted and approved of by the Medical Council of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN.

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various

examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN.

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Councils of the Provinces of Quebec, Ontario, Nova Scotia, Prince Edward Island, Saskatchewan, Manitoba, British Columbia and New Brunswick. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain. He will thus be eligible for competitive examination for the Army, Navy and Civil Service, and will be allowed to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

FEES.

All students must register with the University Registrar before paying their fees.

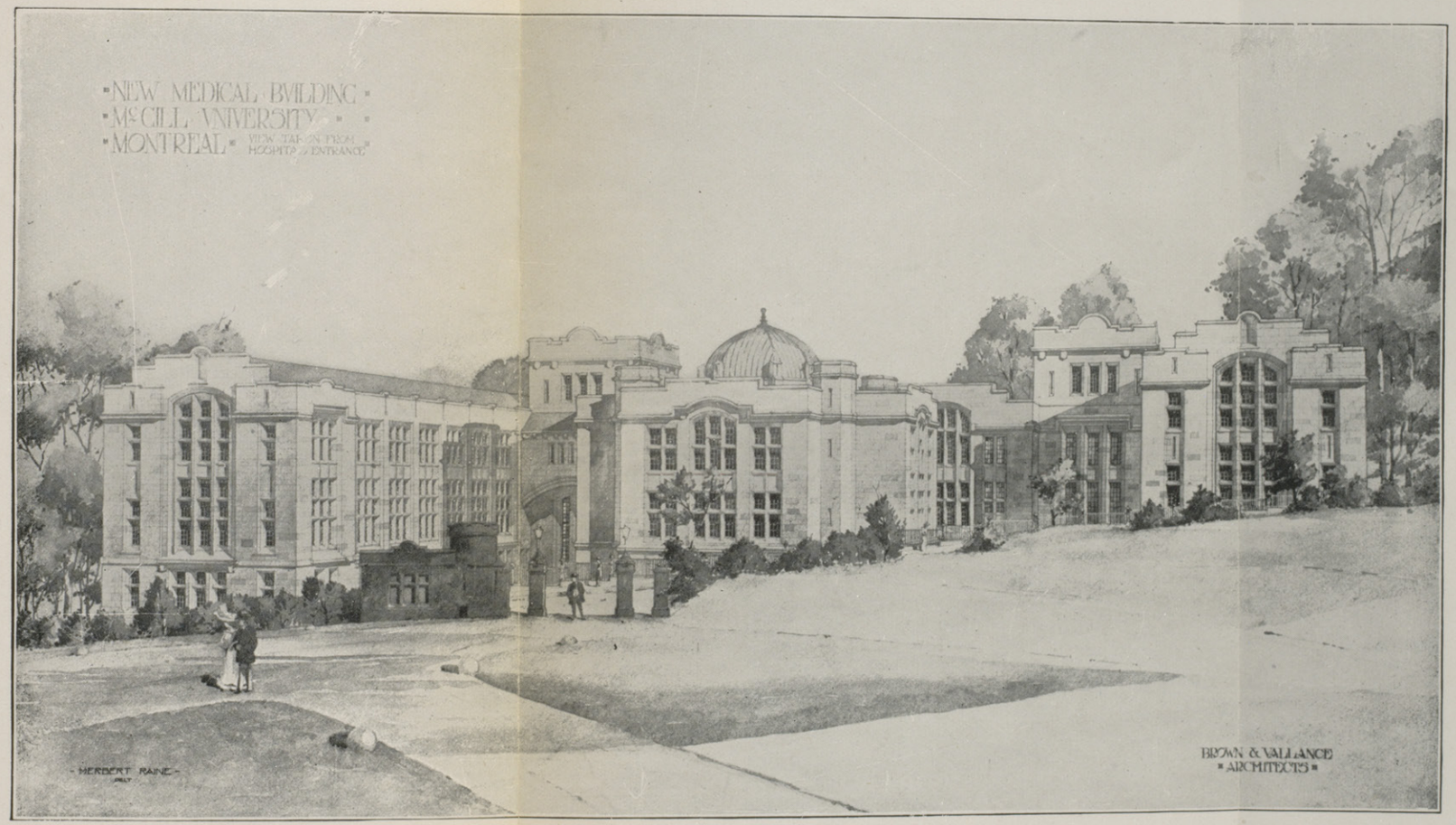
1. Fees are due and payable to the Bursar on or before October 7th (if paid in instalments the second instalment must be paid on or before February 1st). The registration ticket must be shown to the Bursar at the time of the first payment.

2. Immediately after October 20th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Deans of the several Faculties a list of the registered students who have not paid their fees, on receipt of which the Deans shall cause their names to be struck from the register of attendance, and such students cannot be readmitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after October 20th shall pay their fees at the time of the registration, failing which they become subject to the provisions of Regulation 2.

4. The total Faculty fees for the medical course of six full sessions, including clinics, laboratory work, dissecting materials and reagents, will be *twelve hundred dollars*, payable in six annual instalments of $200.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $12.00 will be exacted from all men under-



Medical Building—Rear Elevation from Pine Avenue.

graduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees. *No fees will be refunded to partial students under any circumstances whatever.*

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid full fees elsewhere for the course taken. These students are also required to pay in addition the hospital fees exacted in the year to which they are admitted.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for half session, and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. The fee for the Degree of Doctor of Medicine and Master of Surgery is $30.00, to be paid by the successful candidate to the University Bursar immediately after the final examination. When the degree is conferred in absentia, an additional fee of twenty dollars will be exacted unless the candidate has been specially exempted by the Faculty.

10. The fee for the course in Public Health, including the laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

SUMMARY OF FEES.

Class fees		$200.00
First instalment, if paid before October 7th	$102.00	
Second instalment, if paid before February 1st	102.00	
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	12.00	12.00
	$226.00	$222.00
Graduation fee (in final year)		$ 30.00

THE UNDERGRADUATE COURSE.

The Undergraduate Course now consists of six sessions of eight months each.

The necessity for a modification of the course has become apparent. Experience has shown that the average student entering medicine is deficient in preliminary training, especially in the scientific branches. In order to meet this defect a standard of matriculation equivalent to two years' academic training will be required.

The work of these two years, which may be taken at any recognized University, will include the first year of the regular B.A. course and one year of Biology, Chemistry and Physics.

Following these two years' preliminary training the Medical Course proper will be reduced to five years, the final year of which will be a purely hospital year and equivalent to giving each student before he graduates a year as hospital interne.

Full details as to the commencement of this new course, together with the curriculum of the two preparatory years, will be published later.

Beginning with the session 1922-23 and until the new course is established the minimum entrance requirements will be Senior Matriculation.

THE SIX YEARS' COURSE.

FIRST YEAR.

Biology:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Chemistry:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Physics:—Three hours' lectures and two two-hour laboratory periods throughout the session.

English:—A tutorial class in English expression and a lecture course similar to First Year Arts.

SECOND YEAR.

Anatomy:—Gross Anatomy—Three hundred and thirty hours.

Histology and Embryology:—One hundred and twenty hours.

Physiology:—A course of sixty hours in general physiology and one hundred and eighty-two hours in human physiology.

Chemistry:—Organic Chemistry, fifty hours, and Bio-chemistry, one hundred and twenty hours.

THIRD YEAR.

Anatomy:—Including Embryology and Histology, four hundred and eight hours.

Bio-Chemistry:—One hundred and twenty hours.

Physiology:—One hundred and eighty hours.

Bacteriology:—One hundred and five hours.

Pharmacy:—A six weeks' course.

FOURTH YEAR.

Pathology, Pharmacology, Pathological Chemistry, Hygiene, Surgical Applied Anatomy, Clinical Microscopy, Medicine (Clinical), Surgery (Clinical), Psychology.

FOURTH YEAR (FIVE YEARS' COURSE).

Anatomy (Medical and Surgical), Hygiene, Medical Jurisprudence, Pharmacology and Therapeutics, Pathology, Medicine and Clinical Medicine, Surgery and Clinical Surgery, Obstetrics, Gynæcology, Mental Diseases, Ophthalmology, Oto-Laryngology.

In this year two medical and two surgical theatre clinics are given weekly in the Montreal General and Royal Victoria Hospitals. Out-patient clinics are given to groups of students weekly in gynæcology and once weekly in ophthalmology and oto-laryngology. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical outpatient departments. The work in hygiene consists of lectures, demonstrations and laboratory work.

FIFTH YEAR (FIVE YEARS' COURSE).

Medicine and Clinical Medicine, Surgery and Clinical Surgery, Obstetrics, Gynæcology, Ophthalmology, Oto-Laryngology, Pathology, Dermatology.

In this year most of the students' time is spent in the hospitals. Theatre clinics are given twice weekly in each hospital in medicine and surgery. There are also daily ward classes to groups of students in these branches. In the out-patient departments of both hospitals clinics are given to groups of students in the various special branches of gynæcology, ophthalmology, oto-laryngology, dermatology, neurology, orthopædics, pediatrics and genito-urinary diseases. Clinics, ward classes and demonstrations in obstetrics are given in the Maternity Hospital. Students

of the fourth and fifth years attend the Alexandra Hospital in groups for instruction in infectious diseases. The clinical instruction in mental diseases is given in the wards of the Protestant Hospital for the Insane at Verdun.

MEDALS, PRIZES AND FELLOWSHIPS.

1. **The Holmes Gold Medal,** founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

2. **The Sutherland Gold Medal,** founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the third year.

3. **The Wood Gold Medal,** founded by Casey A. Wood, M.D., awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical branches of the final year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

1. **The Final Prize.**—A prize in books, awarded for the best examination, written and oral, in the final branches. The Holmes' medalist is not permitted to compete for this prize.

2. **The Fourth Year Prize.**—A prize in books, awarded for the best examination, written and oral, in all the branches of the fourth year course.

3. **The Joseph Hils Prize.** (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks for a special examination in pharmacology.

4. **The Third Year Prize.**—A prize in books, awarded for the best examination, written and oral, in the branches of the third year.

5. **The Joseph Morley Drake, M.D., Prize.** (Founded by the late Joseph Morley Drake, M.D.)—A microscope, to be awarded to the student of the third year who obtains the highest number of marks for the examinations in pathology and bacteriology.

6. **The Second Year Prize.**—A prize in books for the best examination in all branches of the second year course.

7. **The First Year Prize.**—A prize in books for the best examination in all branches of the first year course.

The A. A. Browne Memorial Fellowship:—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship:—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship:—A studentship in pathology, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The John McCrae Scholarship:—A scholarship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company as a permanent scholarship.

The Walter J. Hoare Memorial Scholarship:—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation into the Medical Faculty of McGill University.

The John W. Flinn Research Fellowship:—In 1921 Dr. John W. Flinn of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

QUALIFICATIONS FOR THE DEGREE.

1. No one will be admitted to the degree of Doctor of Medicine and Master of Surgery who shall not have attended lectures for a period of five eight-month sessions in this University, or some other university,

college or school of medicine, approved by this University. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University shall be required to pass an examination in primary subjects, and all examinations in the final subjects in the same manner as students of this University.

2. Candidates for final examination shall furnish testimonials of attendance on the following branches of medical education; provided, however, that testimonials equivalent to, though not precisely the same as those stated, may be presented and accepted:—

Biology, General Chemistry, Practical Chemistry, Physics, Histology, Embryology, Anatomy and Practical Anatomy, Physiology and Practical Physiology, Organic Chemistry, Biological Chemistry, Physiological Chemistry, Pharmacy, General Pathology, Bacteriology, Clinical Microscopy, Pharmacology, Therapeutics, Medical Jurisprudence, Hygiene and Public Health, Medical and Surgical Anatomy, Operative Surgery, Special Pathology, Morbid Anatomy, Clinical Chemistry, Principles and Practice of Surgery, Clinical Surgery, Theory and Practice of Medicine, Clinical Medicine, Obstetrics and Diseases of Infants, Gynæcology, Pediatrics, Mental Diseases, Ophthalmology. Oto-Laryngology.

They must also produce certificates of having assisted at six autopsies.

3. No one will be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital, or some other hospital of not fewer than 100 beds, approved by this University.

5. He must give proof of having acted as clinical clerk for six months in medicine and six months in surgery in the wards of a general hospital recognized by the Faculty, and of having reported at least ten medical and ten surgical cases.

6. He must also give proof of having attended for at least nine months the practice of the Montreal Maternity or other lying-in hospital approved by the University, and of having acted as assistant for at least twenty cases.

7. Every candidate for the degree must, on or before the 30th day of April, present to the Dean of the Medical Faculty testimonials of his

*It should be understood that the programme and regulations regarding courses of study and examination contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole of a student's course, to the conditions here laid down.

qualifications, entitling him to an examination, and must at the same time deliver an affirmation or affidavit that he has attained the age of twenty-one years.

8. The examination to be undergone by the candidate shall be in the subjects mentioned on pages 48 and 49.

9. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum salutem persevaturum; tum porro artem medicam caute, caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum. quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

EXAMINATIONS

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the first year subjects, the marks obtained being added to the total marks obtained at the final examinations.

Any student of the first year whose work at the end of the first term is judged to have been unsatisfactory may be asked to leave the University.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass and 75 per cent. for honour.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than three subjects of the first or second year and in not more than two subjects in the third and fourth years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Students who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

Students who fail at the examination held at the end of the first term may, at the discretion of the examiners, be granted supplemental examinations at a period not less than three months after the regular examinations.

A student who, after being registered in the first, second, third, or fourth year for three successive sessions, fails to qualify for advancement, or who, after being registered in the final year for three successive sessons, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Registrar at least three days before the day set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject.

MICROSCOPES.

Each student is required to provide himself, on beginning his studies, with a first-class Microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—$^2/_3$, $^1/_6$ and $^1/_{12}$ oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $125.00, as long as the supply lasts.

DOUBLE COURSES.

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years, of which the first two shall be taken in the Faculty of Arts, and the remaining six in the Faculty of Medicine. The course in Arts is as follows:—

First Year:—**English 1 and 2, History 1, Mathematics 1 or 2, Latin 1 or Greek 1 or 2. Any two additional languages.**

Second Year:—**Any five of the following:—**

Economics and Political Science 1 or 2, History 2, English 3 and 4, French 2, German 5, Hebrew 1, Latin 2 or Greek 2 or 4, Philosophy 1 or 2, Mathematics 3.

In the double course for the degrees of B.A., M.D., the degrees of B.A. will be conferred on the completion of the above curriculum in Arts and of the second year in Medicine.

B.Sc, M.D.

This course in the physical and biological science is specially devised for students who might wish to proceed to a degree in Medicine or to advanced work in physiology, biological chemistry, pharmacology or allied subjects. Students intending to enter the Faculty of Medicine must pass the matriculation examination in Latin before admission to the third year of the B.Sc. course.

Graduates in this course are qualified to enter the third year in the Faculty of Medicine.

First Year.

English 1 and 2, German 1, Mathematics 1.
Physics 1, Chemistry 1, French 2.

Second Year.

German *or* **French, Physics 2, Botany 1.**
Zoology 1. Chemistry 3.

Third Year.

Chemistry 2 and 4, General Physiology (Second Year Medicine)
Zoology 5, Ethnology 2, Physics 3. Botany 5.
Histology and Embryology (Second Year Medicine).

Fourth Year.

Chemistry 7, Chemistry 10, Anatomy (Second Year Medicine).
Physiology (Second Year Medicine).

COURSES OF LECTURES.

BIOLOGY.

The course in Biology for Medical students is conducted, conjointly, by the University Departments of Botany and Zoology. It consists of three parts:—

Part I. (The Microscope).

PROFESSOR OF BOTANY:—FRANCIS E. LLOYD
LECTURER IN BIOLOGY:—GEORGE W. SCARTH.

This part of the course deals with the rationale and simple technique of microscopic vision, including both light and dark field illumination. Twelve lectures and twelve laboratory periods (three of each per week during the first month of the session).

Part II. (Zoology).

PROFESSOR OF ZOOLOGY:—ARTHUR WILLEY.
ASSISTANT PROFESSOR:—J. STAFFORD.
LECTURER:—M. NOTKIN.

The course in elementary zoology is that part of the premedical curriculum which introduces the student to some of the terms and principles of animal biology. The manner in which the leading functions of the body are performed in a number of selected types is explained, thereby preparing the mind for the reception of the more advanced instruction in human anatomy and physiology.

Text-books:—Wells and Davies.

Part III. (General Biology).

PROFESSOR:—FRANCIS E. LLOYD.
LECTURER:—GEORGE W. SCARTH.

This part of the course is a continuation of Part I. It consists of laboratory training in elementary general biology, dealing more especially with those aspects of the field best illustrated by plants; and of lectures based upon the laboratory experience.

Lectures, three per week, and laboratory periods, two (each of three hours) per week, from the close of Part II of the course to the end of the session.

GENERAL AND ORGANIC CHEMISTRY.

PROFESSOR:—R. F. RUTTAN.
ASSOCIATE PROFESSOR:—N. N. EVANS.
ASSISTANT PROFESSOR:—W. H. HATCHER.
DEMONSTRATORS:—D. M. MORRISSON. D. K. CHARLTON. A .CAMBRON. G. W. HOLDEN.

Instruction in General and Organic Chemistry for students in Medicine is given during a portion of each of the first two years.

First Year: During the first year the principles governing chemical action are studied in a systematic laboratory course. A printed synopsis of the work of each day is provided and necessary explanations given before beginning the work. The course includes a study of chemical phenomena; the preparation and properties of typical elements and compounds; the laws of chemical action; gravimetric and volumetric determinations, and a short course in qualitative analysis. The student is required to pay special attention to the keeping of an accurate record of his observations and calculations.

Note-books for this purpose are provided and are examined and criticized by the demonstrators. Test examinations are held during the session.

During this year a course of experimental lectures in General Chemistry is given; three per week, with frequent reviews and examinations. This course is designed to familiarize the student with the characteristics of chemical action and the conditions which modify it, rather than a detailed study of the preparation and properties of the elements and their compounds. The course includes the elements of physical chemistry and simple calculations. The application of chemistry to medicine is made especially prominent. An examination in general chemistry is held at the end of the session.

Second Year: A short introductory course of three lectures per week in organic chemistry is given during the first term. This forms a preparatory course leading up to the more complete study of organic substances of biological importance during the second term in the course on biological chemistry.

Students will find it greatly to their advantage to have a practical knowledge of elementary chemistry before entering upon the study of Medicine. Graduates in Arts of recognized universities, on presenting certificates of having taken courses in theoretical and practical chemistry, and of having passed examinations in the same, may be exempted from the chemistry of the first year.

Text-Books:—General Chemistry—General Chemistry for Colleges (new edition), Alex. Smith; Organic Chemistry, Remsen.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—A. B. MACALLUM.

ASSISTANT PROFESSOR:—George ERIC SIMPSON.

DEMONSTRATOR AND JOHN MCCRAE SCHOLAR:—J. F. LOGAN.

ASSISTANT DEMONSTRATORS:—I. M. RABINOVITCH, H. E. EBERTS.

The instruction in Biochemistry for those students in Medicine of the present six years' course who have already taken the courses in Biochemistry of the second year will include an advanced course of lectures—three a week—and laboratory exercises, six hours per week, during the first term of the third year.

This course will deal with (a) the origin, character, and the active properties of the various ferments of the digestive tract, (b) the chemical and physical processes involved in, and the products resulting from the digestion, absorption and assimilation of the foodstuffs in the human body, (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

In the laboratory course the exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

A course of two lectures and four hours of laboratory exercise per week on Pathological Chemistry will be given in the second (winter) term to students of the six years' curriculum. This will cover the metabolism of febrile conditions, deficiency diseases, diabetes mellitus, nephritis, hepatic disorders, etc. The laboratory work will include the more exact methods of the determination of the constituents of the blood and urine in health and disease. This course must be taken by all candidates for the Sutherland Medal.

For the students of the six years' curriculum, after 1922-23, and eventually for the students of the seven years' curriculum, the course of instruction in Biochemistry will include three lectures and six hours of laboratory exercises per week **throughout the third year.** This will include all the instruction hitherto, and till then to be, given in the second term of the

year and in the first term of the third year of the present six years' curriculum. There will follow in the fourth year an extended lecture and laboratory course in Pathological Chemistry to be taken by all the students in that year. A full announcement of all the courses will be published later.

Text-books:—Halliburton, Essentials of Chemical Physiology; Plimmer, Practical Organic and Bio-Chemistry; Hawk, Practical Physiological Chemistry; Cole. Practical Physiological Chemistry.

Reference:—Robertson, Principles of Biochemistry; Von Furth, Chemistry of Metabolism; Bayliss, Principles of General Physiology.

PHYSICS.

PROFESSOR OF PHYSICS:—A. S. EVE.

ASSISTANT PROFESSORS: H. E. REILLEY. D. A. KEYS.

DEMONSTRATORS:— VIOLET HENRY. R. J. CLARK. R. A. SMITH. L. H. NICHOLS.

First Year: This course is given in the Physics Building of the University. It consists of four lectures and two laboratory periods of two hours per week throughout the session.

The lectures are experimental in character, especially designed to meet the requirements of students in Medicine. The course includes a study of energy, simple machines, properties of matter, fluid pressures, fluid motion, capillary phenomena; production, transmission and interpretation of sound; temperature and temperature measurements, gas laws and kinetic theory, heat capacity, latent heats, laws of vaporization, humidity measurements, heat conduction; elements of magnetism, laws of electrostatics, electrostatic induction and condensers; primary batteries, Ohm's law and its applications, measurements of resistance and electromotive force, measuring instruments, magnetic effects of current, induced currents, induction coil, conduction through gases, properties of cathode rays and X-rays; radioactive substances and their radiations; laws of reflection and refraction of light, mirrors, lenses and combinations, microscopes, telescopes, spectra, spectrum analysis, colour interference, crystallography, polarized light and saccharimetry.

In the laboratory the student learns the use of such instruments as the balance, vernier, spherometer, hydrometer, hygrometer, spectroscope, saccharimeter, electroscope. Verifications are made of Archimedes' principle, Boyle's law, laws of reflection and refraction, Ohm's law, etc. Measurements are taken of specific gravities, frequencies,

specific heats, latent heats, electrical resistances, focal lengths, besides qualitative experiments illustrating the more important physical principles.

Students entering McGill University in all faculties receive lectures and do laborarory experiments in Physics, hence a good knowledge of arithmetic, algebra and geometry is required.

A knowledge of the elements of trigonometry, logarithms, mechanics and physics enables a student to make a good beginning on entry, which stands him in good stead for the remainder of his college career.

Text-books:—Duff's Text-book of Physics,—Blakiston's.

ENGLISH

The course in English will be conducted in the Faculty of Arts and will cover the following:

ENGLISH 1: **English Composition**; Class discussions of words, sentences. paragraphs, whole compositions, including the various types of English prose, narration, description, exposition and arguments. The object of this course is to train students to write English with correctness, clearness and facility. Constant practice in writing is required. The class is divided into sections of not more than forty. On the last lecture hour of each month the sections are brought together for a general discussion and review. Individual conferences or tutorial meetings with the instructor, or an assistant, are required at least every fortnight.

ENGLISH 2: **English Literature**: Two hours a week and a third hour at the pleasure of the department. The object of this course is to give the student a general background knowledge of English literature from Chaucer to the present time. A large amount of illustrative reading is prescribed. Individual conferences or tutorial meetings with an assistant are required at least every fortnight; these conferences include discussions and examination questions on the readings and lectures.

ANATOMY.

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.
ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.
LECTURER IN HISTOLOGY:—W. M. FISK.
LECTURER IN EMBRYOLOGY:—F. SLATER JACKSON.
LECTURER IN ANATOMY:—I. MACLAREN THOMPSON.
LECTURER IN CHARGE OF DENTAL STUDENTS:—H. E. MACDERMOT.
SENIOR DEMONSTRATOR (in Charge of Dissecting Room):—
A. D. CAMPBELL.
DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—IVAN PATRICK.
DEMONSTRATORS:

F. J. TEES.	J. G. W. JOHNSON.
L. H. MCKIM.	A. ROSS
H. BRUCE MALCOLM.	L. L. REFORD.
G. A. FLEET.	F. N. K. FALLS.

PROSECTOR:—MR. WILLIAM MUIR.

Under the six-year curriculum the student begins the study of anatomy in the second year of his course, and continues it in the third, fourth and fifth years. During the second and third years the whole body is dissected twice. The aim of this part of the course is to establish the essential foundations upon which the practice of medicine and surgery is based; the importance of the application to the living body of the knowledge gained in dissection is, therefore, emphasized throughout. During the fourth and fifth years the subject is considered from the standpoint of its clinical bearing. Close co-operation between the anatomical, histological and embryological parts of the course is maintained during the whole four years.

Second Year.

1. **Elementary Anatomy**:—The student dissects the whole body, including the brain, aiming at a general knowledge of the form and relations of the systems and organs without detailed consideration. Stress is laid upon the importance of function in determining form and structure, and the osteology and surface anatomy are studied concurrently.

Text-books:—Gray's "Anatomy" (English edition); Walmsley's "Practical Anatomy." Whole session, 330 hours.

2. **General Embryology**:—A course of lectures and practical work on the general problems of development and on the early stages of development of the human embryo.

Reference books:—Kellicott, "Text-book of General Embryology"; Prentiss and Arey, "Text-book of Embryology."

First Term, 60 hours.

3. **General Histology**:—A detailed study of the fundamental tissues of the human body.

Text-book:—Jordan, "Text-book of Histology."

Second term, 60 hours.

Third Year.

4. **Advanced Anatomy**:—The whole body is dissected for the second time and in detail. In this year regional and cross-section anatomy receive special attention and, in correlation with courses 5 and 6, the nervous system and sense organs are further studied.

Text-book:—Gray's "Anatomy" (English edition).

Whole session, 360 hours.

5. **Special Histology**:—This course runs parallel with the course in gross anatomy, the microscopic structure of the organs and systems being studied at the time they are dissected.

Text-books:—Jordan, "Text-book of Histology."

Whole session, 90 hours.

6. **Organogenesis**:—The development of the organs and systems of the human body, co-ordinating with courses 4 and 5.

Text-book:—Prentiss and Arey, "Text-book of Embryology."

Whole session, 30 hours.

Reference:—"Reference Handbook of Medical Sciences," new edition, 1922.

Fourth Year.

7. **Surgically Applied Anatomy**:—This course is given in January and February, immediately preceding the course in Operative Surgery on the cadaver, which is conducted in the dissecting room by the Department of Surgery. Second trimester, 30 hours.

Fifth Year.

8. **Medically Applied Anatomy**:—An optional course of eight lecture periods. Second trimester, 8 hours.

Collateral Reading:—The following books are recommended for collateral reading by students in the department:—

Ranson, "Anatomy of the Nervous System" (3rd year).
Keith, "Human Embryology and Morphology "(3rd year).
Treves and Keith, "Surgical Applied Anatomy," *or*
Davis, "Applied Anatomy" (4th year).
Hilton, "Rest and Pain" (3rd or 4th year).
Whitnall, "The Human Orbit."

Dictionary:—Every student is advised to provide himself with a good medical dictionary as an essential part of his text-book equipment. Any one of the following may be recommended:—Stedman, Dorland, Gould, Lippincott's, American.

Alternative Text-books :—Although the text-books mentioned in connection with the courses are recommended, any of the following may be used:—

Anatomy :—Cunningham, "Text-book of Anatomy"; Morris, "Human Anatomy"; Piersol, "Human Anatomy"; Quain, "Elements of Anatomy." *Practical Anatomy :*—Parsons and Wright, "Practical Anatomy"; Heisler, "Practical Anatomy"; Cunningham, "Manual of Practical Anatomy." *Anatomical Atlases :*—Sabotta and McMurrich; Toldt; Spalteholz. *Embryology and Histology :*—Schäfer, "Essentials of Histology"; Piersol, "Normal Histology"; Bailey, "Text-book of Histology"; Lewis and Stöhr, "Text-book of Histology"; Bailey and Miller, "Text-book of Embryology"; McMurrich, "The Development of the Human Body."

Post-Graduate Study.

Material and preparations for post-graduate study are always available, and a special effort will be made to assist graduates in the investigation of any part of the subject in which they are interested.

Physical Anthropology.

The Department is prepared to give a course of special instruction in the methods and application of this subject.

Dental Anatomy.

Details of the courses in anatomy and histology for dental undergraduates and graduates will be found in the Calendar of the Dental Faculty.

GENERAL PHYSIOLOGY.

PROFESSOR:—FRANCIS E. LLOYD.
LECTURER:—GEO. W. SCARTH.

On the structure, properties and behaviour of protoplasm. Sixty hours during the first semester, for the students of the second year.

Reference Books :—Verworn, General Physiology (translation by Lee); Bayliss, Principles of General Physiology; Bechhold, Colloids in Biology and Medicine (translation by Bullowa); McClendon, Physical Chemistry of Vital Phenomena.

PHYSIOLOGY.

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

LECTURERS:—F. GREEN. L. NOTKIN. N. GIBLIN.

ASSISTANTS:—G. J. CASSIDY. S. W. BRITTON.

DEMONSTRATOR:—JOHN ARMOUR.

The purpose of this course is to make the student thoroughy acquainted, so far as time permits, with modern physiology, both from a scientific and practical standpoint—its methods, its deductions, and the basis on which the latter rest.

1. Medical Physiology.

The course comprises demonstrations and laboratory work.

Lectures.—These extend over two years and are illustrated by diagrams and lantern demonstrations.

Laboratory Work.—(a) Juniors. Second year students work for the most part in pairs for one period of three hours per week throughout the year. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous systems. Frog material is largely used for the latter part of this course.

Class-book:—Schafer's "Experimental Physiology."

(b) Seniors. Third year students, working in pairs or in larger groups, attend for one period of three hours per week throughout the year. The course includes mammalian operative work as well as observations on the human subject with clinical and other apparatus.

Class-book:—Sherrington's "Mammalian Physiology."

Demonstrations.—Special demonstrations are given from time to time on such subjects as cannot be dealt with by individual groups of the practical class, and also on whatever research work is being carried out in the Department.

2. Optional Course.

For students of proved ability an optional course covering higher work will be given during the session.

3. **Special Advanced Courses.**

(a) Advanced Lectures and Laboratory.—Prof. Tait and Staff.
(b) Hæmatology.—Drs. Green and Notkin.
(c) Nervous System.—Mr. Britton.
(d) Relation between Structure and Function.—Prof. Tait.

Research Work: For particulars relating to post-graduate work in Physiology, and for courses leading to the degrees of M.Sc. and D.Sc., application should be made to the professor.

Text-books :—Starling, Howell, Stewart,

Reference :—Leathes, Starling (Lectures), Cannon, Hill (Recent Advances and Further Advances); Sherrington, Bayliss, MacLead.

Library: Members of the Students' Physiological Society have the privilege of consulting and borrowing books of the library of the Society.

PATHOLOGY AND BACTERIOLOGY.

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.
ASSOCIATE PROFESSOR OF PARASITOLOGY:—J. L. TODD.
ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.
LECTURERS:—M. E. ABBOTT. C. T. CROWDY.
SENIOR DEMONSTRATORS:—J. W. SCOTT. W. W. BEATTIE.
DEMONSTRATORS:—KEITH HUTCHISON. L. C. READ.
ASSISTANT DEMONSTRATORS:—J. M. KINSMAN. J. H. B. GRANT. W. DE M. SCRIVER.
DOUGLAS FELLOW IN PATHOLOGY:—T. R. WAUGH.

Pathology.

1. General pathology and pathological anatomy, including infection and immunity: lectures and experimental demonstrations twice weekly throughout the session. Professor Oertel.

2. Laboratory course in general pathological anatomy and histology, two hours twice weekly, winter term. Professor Oertel, Demonstrators and Assistant Demonstrators.

3. Special pathology and pathological anatomy: lectures on the diseases of the more important systems and organs, followed by demonstrations, two hours once weekly, throughout the session. Includes the circulatory, hæmatopoietic, respiratory, digestive and renal systems. Professor Oertel and Demonstrators.

4. Applied Pathology: Demonstration and discussion of anatomical and bacteriological material in relation to clinical medicine. Professor Rhea.

5. Demonstrations upon fresh autopsy material, once weekly. Professor Rhea, Dr. Crowdy and Dr. Scott.

6. Performance of autopsies. Professor Oertel, Professor Rhea, Dr. Crowdy, Dr. Scott and Demonstrators.

7. Clinical pathological conferences at the Royal Victoria and Montreal General Hospitals, once weekly. Clinical and Pathological Staffs.

8. Selected chapters of special pathology with demonstrations; includes the nervous system, bones, joints, glands of internal secretion. Dr. Abbott and Dr. Crowdy.

9. Pathological research (open to graduates) by appointment. Professor Oertel and Professor Rhea.

Reference books :—Oertel, General Pathology; Virchow, Cellular Pathology; Cohnheim, Lectures on Pathology; Zeigler, Specielle Pathologie; Delafield and Prudden, Text-book of Pathology; Wells, Chemical Pathology; Adami and McCrae, Pathology.

Bacteriology.

1. Laboratory course in bacteriology, with explanatory lectures and demonstrations, autumn term. Professor Bruère, Demonstrators and Assistant Demonstrators.

2. Bacteriological and immunological research (open to graduates). Professor Oertel and Professor Bruère, by appointment.

Reference books :—His and Zinsser, Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

Parasitology.

PROFESSOR JOHN L. TODD.

The main feature of this course is a series of twenty lectures and demonstrations, illustrated by lantern slides, and by specimens both gross and microscopical. Demonstrations of special methods used in the study of animal parasites are given in the laboratory.

Text-books :—Manson, Tropical Diseases (London, 7th Edition, 1921); Stitt, Practical Bacteriology, Blood Work and Animal Parasitology (Philadelphia, 6th Edition with Clinical Notes, 1921); Chalmers and Castellani, Manual of Tropical Medicine (London, 3rd Edition, 1919).

Works of reference :—Byam, The Practice of Medicine in the Tropics (London, 1921).

PHARMACOLOGY.

PROFESSOR:—H. G. BARBOUR.
ASSISTANT PROFESSOR:—R. L. STEHLE.
LECTURER IN CLINICAL PHARMACOLOGY:—D. S. LEWIS.
LECTURERS:—J. L. D. MASON. WESLEY BOURNE.
DEMONSTRATORS:—M. D. MOYSE. E. LOZINSKY. V. O. SUTHERLAND.

3rd Year.

Materia medica and Pharmacy: Demonstrations by the Professor of Pharmacy.

4th Year.

Chemistry of drugs and poisons: Laboratory course with supplementary lectures and demonstrations. Chemistry of alkaloids, glucosides and special drugs. Assistant Professor Stehle and Assistants.

Pharmacology: Laboratory course correlated with systematic lectures, demonstrations and conferences, Action of drugs and poisons upon normal and abnormal organisms. Includes: general principles (absorption,excretion,mode of action, tolerance, hypersensitivity, synergism antagonism and relation of chemical structure toaction;) etiotropic action (antiseptics and specific chemotherapy); organotropic action (effects of drugs upon nervous, digestive, circulatory systems, etc., individual organs and internal metabolic processes). Professor Barbour, Assistant Professor Stehle, Drs. Mason, Bourne. Lewis and Moyse.

5th Year:

Clinical Pharmacology: Systematic lecture course on principles of therapeutics and the applications of drugs in internal medicine, surgery gynæcology and the specialties. Drs. Lewis and Bourne.

6th Year:

Practical Clinical Pharmacology: In co-operation with the Department of Medicine. Ward classes and clinics in both the Montreal General and the Royal Victoria Hospitals. Dr. Lewis and Dr.....

Anesthesia: Practical instruction in Anesthesia is given by Dr. Hepburn at the Montreal General and Dr. Howell at the Royal Victoria Hospitals.

Physical Therapy: Practical instruction by Dr. Harvey and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

Research: The department is located on the fifth floor of the new Biological Building and is especially equipped for investigation. Suitably prepared persons may undertake research at any time throughout the year.

Higher Degrees: Advanced courses leading to the degrees of M.Sc., Ph.D. or B.Sc.Med. are arranged to suit individual cases.

Text-books:—Cushny, "Useful Drugs".

Reference:—Sollman, Edmunds & Cushny, Bastedo, Jackson, McGuigan, B.P., U.S.P., "New and Nonofficial Remedies."

HYGIENE.

STRATHCONA PROFESSOR:—T. A. STARKEY.
LECTURERS:—R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

The practical part includes a number of visits to various places of hygienic importance. The student is thereby brought in close contact with the various conditions which he is liable to meet during his later career.

The Museum is fully equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles. See description of Museum, pages 78 and 79.

In addition to the above, lantern demonstrations of the various topics which have been previously discussed in the lectures are frequently given.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters and with every facility for the prosecution of research work.

See pages 74 and 75 for advanced courses in Hygiene.

Text-Books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau, Park.

MEDICAL JURISPRUDENCE.

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects, Special attention is devoted to the subject of blood stains, the chemical microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and

chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Text-books:—Glaister; Buchanan; Mann. *Reference:*—Peterson and Haines; Taylor.

MEDICINE AND CLINICAL MEDICINE.

PROFESSORS:—F. G. FINLEY. C. F. MARTIN.

ASSOCIATE PROFESSOR:—W. F. HAMILTON.

ASSISTANT PROFESSOR:—A. H. GORDON.

LECTURERS:—C. A. PETERS, H. B. CUSHING, A. A. ROBERTSON, J. KAUFMANN, E. H. MASON, D. S. LEWIS, C. F. WYLDE, C. F. MOFFATT,

DEMONSTRATORS:—J. G. BROWNE, D. W. MCKECHNIE, R. H. M. HARDISTY, D. G. CAMPBELL, A. H. MACCORDICK, E. E. ROBBINS, C. C. BIRCHARD, J. L. D. MASON, D. MACCALLUM, C. R. BOURNE, I. RABINOVITCH, E. V. MURPHY, A. T. HENDERSON.

ASSISTANT DEMONSTRATORS:—D. L. MENDEL. F. R. BROWN. C. R. JOYCE. J. J. WALKER. J. C. WICKHAM.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years, is of prime importance.

Every facility is afforded for this purpose, and students are required to report upon ten patients, placed under their direct care, to a conclusion.

In connection with the laboratory and ward work, minor problems are from time to time presented in order to encourage students in research. This will be further stimulated through closer correlation with the pre-clinical years.

Fourth Year (Six Years Course):—The student is taught the methods of clinical medicine by means of demonstrations to the class as a whole, as well as by direct practical work in groups. Students will, from time to time, be allowed the privileges of the wards and the outdoor department for this purpose, and will thus be brought in contact with patients early

in their career. This course will last throughout most of the session. In the winter term of this year a course of ten lectures on the general principles of Medicine will be given.

Fourth Year (Five Years Course):—The instruction in this year will consist of two theatre clinics a week, and work in the wards. Students will be made responsible for the reporting and observation of patients in the wards, and will be expected to demonstrate these cases to the groups who are receiving instruction. A laboratory period of instruction will be given each week in connection with the clinical work, and the tests already learned in the pre-clinical and pre-medical years, will now be applied in practice. Students in this year will also be required to attend the outdoor department.

Fifth Year:—This year is devoted entirely to hospital work, each student acting in the capacity of assistant resident. The number of lectures will be minimal. The student will be made directly responsible for reports on the patients in the wards, for the diaries of the cases, and will be required to make special examinations in company with the Chief in whatever department this is required. He will also attend the outdoor under supervision, and will further be expected to assist at all autopsies concerned with his patients, and will be required to prepare the material for the clinical pathological conference which is held once weekly. Clinics are likewise given on diseases of children, upon neurological cases, infectious diseases, and radiography in the departments concerned.

Text-books:—Osler's Practice; Ander's Practice; Rainey and Hutchison; Flint's Auscultation and Percussion; Hewlett's Clinical Pathology; DaCosta, Handbook of Medical Treatment, Forcheimer's Medical Treatment; Butler's Diagnosis; Martinet's Diagnostic Methods.

Reference:—Albutt's System; Osler and McCrae; Oxford Loose Leaf; Nelson's Loose Leaf; Barker's Monographic Medicine; Lippincott's Quick Reference Book; Wood's Reference Handbook of Medical Sciences; Tilney and Riley, Diseases of the Nervous System; Lippincott's New Medical Dictionary; Cattell.

Applied Immunology. Dr. Fraser B. Gurd and Associates.

The purpose of this course is to co-ordinate the work in Pathology and Bacteriology (as given in the third year) with the clinical manifestations of diseases due to bacteria, to demonstrate the means at the disposal of the body for the prevention and cure of infection, and the clinical procedures, including the employment of vaccines and sera, which are of value in prophylaxis and treatment.

Fourth Year (Autumn Term):—A course of didactic lectures (with demonstrations).

Fifth Year:—A course of six clinical demonstrations to groups.

Clinical Microscopy.

This course, which is given during the winter term of the third year, is essentially a practical one given in the Pathological Laboratory under the department of Clinical Medicine. The classes are held twice weekly, each demonstration lasting two hours.

Students are given instruction in the microscopic appearance of various excretions and secretions of the body; films are prepared from urinary sediments, blood, pus, sputum, fæces and gastric contents; as also of fluids obtained by puncture. Complete instruction is given in examination of the blood, on the use of instruments and differential staining methods; pathogenic bacteria and the commoner animal parasites of the body and skin are also shown. Finally specimens of microscopic interest which appear in Hospital from time to time.

Department of Neurology.

CLINICAL PROFESSOR.—C. K. RUSSEL.
LECTURER:—F. H. MACKAY.
DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the nervous system is given in the earlier years of study.

Lectures and clinical demonstrations on neurology are given in the fourth and fifth years of the course in the wards and theatre.

In the fifth year groups of students are taken into the wards and outdoor departments of the General Hospitals. The Psychiatric Clinic at the Royal Victoria Hospital deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

A series of demonstrations on neuro-pathology is given in the laboratory.

Department of Psychiatry.

PROFESSOR:—T. J. W. BURGESS.
PROFESSOR OF PSYCHOLOGY:—WILLIAM D. TAIT.
LECTURERS:—C. A. PORTEOUS. G. MUNDIE.
DEMONSTRATORS:—H. A. SIMS. A. G. MORPHY.

Psychology.

A short course of lectures is given on General and Abnormal Psychology, with special reference to the latter. Discussion will include the psychological principles underlying Psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the Psychology of Insanity.

Psychiatry.

The course in psychiatry comprises a series of lectures at the University with demonstrations at the Protestant Hospital for the Insane, Verdun, and at the General Hospitals. Clinical instruction is given to groups of senior students, who are required to examine a number of cases, making written reports thereon, followed by discussion.

In the outdoor departments of the hospitals where a psychiatric clinic is held once a week, the students are taught the various methods of testing psychopathic cases, and making detailed diagnoses.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Clinical Psychiatry," Diefendorf; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt.

Department of Pediatrics

LECTURER:—F. M. FRY.

DEMONSTRATORS:—C. F. WYLDE. W. E. ENRIGHT. L. LINDSAY.

ASSISTANT DEMONSTRATORS:—H. P. WRIGHT. A. GOLDBLOOM. A. B. CHANDLER.

A didactic course on the diseases of infancy and childhood, including the feeding of infants, is given during the session to students of the fourth year. Clinical and didactic lectures are given on diseases of the new-born at the Montreal Maternity Hospital. In the Montreal General and Royal Victoria Hospitals weekly clinical lectures and ward demonstrations on diseases of childhood will be given to students of the fifth year, and groups of students in rotation will be assigned work in connection with the out-patient children's departments of both hospitals. The new Foundling and Baby Hospital, which has recently been opened, with a capacity of 100 beds, will be utilized during the session for a series of demonstrations in infant feeding.

A voluntary course is given during the summer months, at the Children's Memorial Hospital, to a selected number of students who have successfully passed their Fourth Year.

Text-books:—Holt; Rachford; Koplik; Ruhrah; Chapin and Koplik; Dennett.

Department of Dermatology.

LECTURERS:—{W. P. BURNETT. G. G. CAMPBELL.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and out-door clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett, at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, Campbell, Shamberg, Sequira, Sutton.

History of Medicine.

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of twelve lectures will be given upon the history of medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY AND CLINICAL SURGERY.

PROFESSORS:—{GEORGE E. ARMSTRONG. J. ALEX. HUTCHISON.

ASSISTANT PROFESSORS:—A. E. GARROW, E. W. ARCHIBALD, A. T. BAZIN, E. M. EBERTS.

LECTURERS.—{W. L. BARLOW, C. B. KEENAN, F. A. C. SCRIMGER, F. J. TEES.

LECTURERS IN ANÆSTHESIA.—W. B. HOWELL, W. G. HEPBURN.

DEMONSTRATORS:—A. R. PENNOYER, C. K. P. HENRY, F. MCKENTY, F. B. GURD, E. C. LEVINE, GUY JOHNSTON.

DEMONSTRATOR OF ANÆSTHESIA:—J. W. ARMSTRONG.

ASSISTANT DEMONSTRATORS:—W. H. SMYTH, ALBERT ROSS, L. H. MCKIM.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

During the fourth year (Six Years' Course) students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their anatomy, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In the winter term of this year a course of ten lectures on the general principles of Surgery will be given.

In their fourth year (Five Years' Course) students attend surgical clinics in the amphitheatre of the hospitals three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professorial rank teaches them in the wards and instructs them in groups.

The fifth is the purely hospital year. There are three amphitheatre clinics in the hospitals, weekly. Group teaching is carried out in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found to obtain.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics and practical instruction in the administration of anæsthetics is given in the hospital to students of the fourth and fifth years.

Text-books:—Operative Surgery,—Binnie and Burghard; Surgery: A System of Surgery, C. C. Choyce; Rose and Carless, Thomson and Miles, Keen's Surgery; Russell Howard; Ashurst; Da Costa; Emergency Surgery,—Sluss; Surgical Anatomy,—Treves and Keith; Davis' Applied Anatomy. Gask and Williams' Text-book of Surgery, Fitzwilliam's Pocket Surgery.

DEPARTMENT OF UROLOGY.

CLINICAL PROFESSORS:—F. S. PATCH. D. W. MACKENZIE.

DEMONSTRATORS:—R. E. POWELL. M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of Surgical diseases of the urinary and male genital organs and syphilis.

During the fourth year they receive a course of fifteen lectures on the elements of the subject in the University followed by fifteen clinics demonstrating typical cases in the Hospitals.

During the fifth year they receive clinical instruction on groups of cases presented for differential diagnosis and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-book :—"Urology."

Collateral Reading:—Thompson Walker's Genito-Urinary Surgery; White and Martin's Genito-Urinary Surgery and Venereal Diseases.

DEPARTMENT OF ORTHOPAEDIC SURGERY.

CLINICAL PROFESSORS:—A. MACKENZIE FORBES. W. G. TURNER.

DEMONSTRATORS:—J. A. NUTTER. W. J. PATTERSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at each of these hospitals for four or five consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery, Albee, Fraser on Tuberculosis of Bones and Joints of Children, and Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries.

OBSTETRICS.

PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY:—W. W. CHIPMAN.

ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:—J. R. GOODALL. H. C. BURGESS. J. W. DUNCAN. J. R. FRASER.

DEMONSTRATOR:—W. A. G. BAULD.

This course will embrace : (1) Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete sets of models illustrating the deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc.; (2) bedside

instruction in the Montreal Maternity, including external palpation pelvimetry, the management and after-treatment of cases; (3) a complete course on obstetric operations with the Tarnier-Budin phantom; (4) the diseases of infancy; (5) a course of individual clinical instruction at the Montreal Maternity Hospital.

The course is carefully graded and instruction will be given separately to students of the fourth and fifth years.

Particular attention is given to clinical instruction, and a clinical examination similar to that held in medicine and surgery forms an important part of the final examination.

A few lectures will be given on diseases of the new-born, supplemented by clinical demonstration and ward work. The lecturers and demonstrators will give special courses from time to time in the college and in the hospitals, and will take the students in groups for the purpose of demonstration, examination and review.

In the fourth year will be given the regular course of didactic lectures.

The fifth year will be devoted mainly to practical and clinical work in the wards of the Montreal Maternity and in its externe service. Palpation on the living subject, theatre clinics, ward clinics, and individual instruction in the management of labour and the care of the puerperal patients will be the chief features of the course.

Text-books:—Whitridge Williams, Webster, Jewett, Evans, De Lee, Berry Hart.

GYNAECOLOGY.

PROFESSOR OF OBSTETRICS AND GYNAECOLOGY.—W. W. CHIPMAN.

CLINICAL PROFESSOR OF GYNAECOLOGY.—F. A. L. LOCKHART.

LECTURERS:—DAVID PATRICK. H. M. LITTLE H. C. BURGESS. J. R. FRASER.

DEMONSTRATOR:—W. A. G. BAULD.

The didactic course consists of about twenty-five lectures given twice weekly during the autumn session. The anatomy and physiology of the organs and parts concerned are first discussed. Then the various methods of examination are fully described, the necessary instruments exhibited, and their uses explained. The lectures are illustrated as fully as possible by drawings, morbid specimens and lantern slides.

Clinical teaching, including out-patient and bedside instruction, is given at both the Royal Victoria and Montreal General Hospitals by Professors Chipman and Lockhart, assisted by Drs. Patrick, Little and Burgess. A large amount of clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class and made the subjects of remarks. In addition

to the ward-patients, each hospital conducts a large out-patient gynaecological clinic, to which advanced students are admitted in rotation, and instructed in digital and bi-manual examinations and in the use of instruments for diagnosis.

Particular attention is thus given to clinical instruction, and a clinical examination in gynaecology, similar to that held in medicine and surgery, forms part of the final examination.

Text-books :—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam.

OPHTHALMOLOGY.

PROFESSOR:—J. W. STIRLING.

CLINICAL PROFESSORS:— W. G. M. BYERS. G. H. MATHEWSON.

LECTURERS:— F. T. TOOKE. S. H. McKEE.

DEMONSTRATORS:— A. G. McAULEY. J. A. MacMILLAN.

ASSISTANT DEMONSTRATORS:— J. ROSENBAUM. A. BRAMLEY-MOORE.

In the fifth year there is a didactic course of about ten lectures delivered at the University. The more unusual diseases of the eye are fully described, while the commoner diseases are merely touched on, the fuller consideration of the latter being reserved for the clinical lectures to be delivered in the final year. In addition, in the fourth year there is instruction in the anatomy of the eye, the methods of examination, and the use of the ophthalmoscope and the elements of refraction.

In the fifth year there is a regular bi-weekly course of clinical lectures at the Royal Victoria and Montreal General Hospitals.

The operative work in eye surgery is fully open to undergraduates on the day set apart for the purpose.

Text-books :—Parsons; May; De Schweinitz; Fuchs.

OTO-LARYNGOLOGY.

PROFESSOR:—H. S. BIRKETT.

LECTURER:—H. D. HAMILTON.

DEMONSTRATORS:— HAMILTON WHITE.
J. T. ROGERS.

ASSISTANT DEMONSTRATORS:— D. H. BALLON.
R. P. WRIGHT.
G. E. HODGE.

The course of instruction in Oto-Laryngology is carried on in the recently constructed wards and out-patient department of both the Montreal General and the Royal Victoria Hospitals, where owing to the large clinics the students are afforded ample opportunity of receiving a practical instruction in these subjects. Between these two hospitals there are about fifty beds set apart for this specialty.

The course is carried on only in the final year, and during the session the courses are conducted in small classes, so that personal supervision, which is so essential in this specialty, is accorded to each student.

The clinics are held twice a week in each hospital and continue throughout the session.

The course is based altogether upon the needs of such knowledge as a general practitioner should have regarding these special organs. The student is instructed in the methods of examining the nose, throat and ear; of applying the various tests of hearing; and shown only such cases as he is likely to meet in general practice. The course is completed by a review of lectures upon the more common diseases of nose and throat.

The anatomy of the parts concerned is studied in the student's third year, and reviewed from the surgical aspect in the fourth year. A series of dissected preparations is available for post-graduate study in the department of anatomy upon application.

From eight to ten didactic lectures are given only upon the more common conditions met with in these organs in general practice.

At the end of the course an examination is held, which is written and clinical.

Two positions as Resident House-Surgeons in the Department of Oto-Laryngology in both hospitals are open to the members of the graduating class.

Text-books:—Albert Gray; St. Clair Thompson; Porter; H. Tilley; Kerrison; Phillips.

GRADUATE AND ADVANCED COURSES.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical Departments of both the Royal Victoria and Montreal General Hospitals, and also in connection with the college laboratories for physiology, chemistry, pathology and pharmacology.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving notice, stating the course desired and the time at their disposal.

All the regular clinics and demonstrations of both hospitals will be open to such students on the same conditions as to undergraduates in Medicine of this University.

Further details regarding courses, fees, etc., may be obtained on application to the Assistant Dean of the Medical Faculty.

1. HYGIENE AND PUBLIC HEALTH.

Candidates undertaking this course must have possessed a degree in medicine, or other qualifications for practice, for at least twelve months before they are competent to receive the diploma. The courses prescribed are as follows:—

1. A course of lectures dealing in a comprehensive manner with the General Principles of Hygiene, Preventive Medicine and Sanitation.

2. Bacteriology—a full practical course in General Bacteriology, special attention being given to Pathogenic organisms and Parasites; general principles of Bacteriological Analysis, especially in relation to Public Health matters.

3. Sanitary Chemistry:—(a) Examination of air and air vitiated by respiration, products of combustion, factory and other trade conditions; water and water supplies in general, detection of poisons associated with water supplies; all the common kinds of foods and beverages; sewage and sewage effluents; articles of dress, house decorations, etc.; chemical investigations connected with certain trades and occupations.

(b) Physics:—Principles of statics, pneumatics, hydraulics, light and photometry, heat and thermometry and the principles of hygrometry, only in their application to hygiene.

4. An extended course of practical out-door Sanitary work under a Medical Officer of Health, or other Authority affording facilities for such instruction.

5. Sanitary Legislation:—Statutes and by-laws relating to public health; the powers of public Sanitary authorities.

6. Vital Statistics:—Calculation and tabulation of returns of births, marriages, deaths and diseases.

7. Meteorology and climatology, including the geographical and topographical distribution of diseases.

Candidates for this Diploma may claim exemption from attendance in any of the subjects outlined in the scheme of studies on presentation of proof that they have received already equivalent instruction in such subjects.

Except in special instances where exemptions may have been granted, the length of the course is eight months—from the beginning of October to the end of May.

The examination for the Diploma includes the following subjects:—Examination of clinical cases at an infectious hospital; the drawing up of outlines for annual and other reports of officers of health; a report upon the sanitary conditions of some actual locality; demonstration of the consideration and use of meteorological, hygienic and sanitary apparatus; microscopical examination of specimens submitted; description of specimens of human and other diseased tissues; the inspection of carcasses of animals to be used for food. Chemical and Bacteriological examinations, the scope of which is indicated in the paragraphs relating to instruction on these headings.

The above examination is written, oral and practical and extends over a period of four or five days.

The fee for the course and the Diploma is $100.00.

2. COURSE FOR CIVIL ENGINEERS.

This course is given to meet the requirements of engineers, particularly those making a specialty of sanitary engineering. The object of the instruction is to elucidate the public health principles involved in engineering problems, *e.g.*, ventilation, water supplies, sewage disposal, and drainage systems.

3. COURSE FOR ARCHITECTS.

Special instruction is given in those branches of public health relating to architectural work, *e.g.*, lighting and heating, ventilation, sanitary fixtures, draining and plumbing.

4. COURSE FOR THE DEGREE OF DOCTOR OF PHILOSOPHY.

Hygiene, or some particular branch of it, may be taken out as a minor subject in the final examination for the Ph.D. degree. Special arrangements are made to suit the student in order that the work done in this department shall be a supplement to his major subject taken out in Applied Science.

CLINICAL INSTRUCTION.

In the fourth year (six years' course), instruction is given to groups in the methods of physical diagnosis and in minor surgery.

During the fourth year (five years' course), three medical and three surgical theatre clinics are given weekly in the Montreal General and Royal Victoria Hospitals. In addition, on four days of the week instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments. Out-patient clinics are given to groups of students once weekly on ophthalmology and oto-laryngology during the last trimeter.

In the Alexandra Hospital for Contagious Diseases, students of the fourth and fifth years receive bedside instruction in groups.

The fifth year is devoted almost exclusively to clinical work. There are three clinics weekly in medicine, three in surgery, two in obstetrics and two in gynæcology, these being supplemented by group teaching in the wards and by instruction in the clinical laboratories. In addition, groups receive instruction in ophthalmology, oto-laryngology, pediatrics, dermatology, gynæoclogy, neurology and genito-urinary surgery in the out-patient department of both hospitals. At the Montreal Maternity four ward classes weekly in obstetrics are given.

CLINICAL CLERKS in the medical and surgical wards of both hospitals are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allot ed to him. Students are required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery, and are required to have reported at least ten cases in medicine and ten in surgery. The instruction obtained as clinical clerk is found to be of the greatest possible advantage to students, as affording a true *practical* training for his future professional life.

DRESSERS are also appointed to the out-door departments. For these appointments, application is to be made to the assistant surgeons, or to the resident surgeon in charge of the out-door department.

The large number of patients affected with diseases of the eye and of the ear, nose and throat, now attending the special clinics at both hospitals, afford ample opportunity to students to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the various instruments used in examining them, and it is hoped that every student will thus seek to gain a practical knowledge of these important branches in medicine and surgery. Operations are performed on the eye and on the ear and nose and throat after the out-door patients have been seen, and students are invited to attend the same, and as far as practicable to keep such cases under observation so long as they remain in the hospital.

There are also special departments in both hospitals for gynæcology, pediatrics, neurology, orthopædics, dermatology and genito-urinary diseases, directed by specialists in these branches. Students are thus enabled to acquire technical knowledge under skilled direction. The plan of teaching practical gynæcology, which has met with marked success, has been the limitation of the number of students attending each clinic to three.

Clinical instruction is given in the wards of the Protestant Hospital for the Insane at Verdun.

The clinical teaching in infectious diseases is given in the wards of the Alexandra Hospital for Contagious Diseases.

HOSPITALS.

The City of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which medical students of McGill University receive clinical instruction are: (1) The Montreal General Hospital; (2) The Royal Victoria Hospital; (3) The Montreal Maternity Hospital; (4) The Alexandra Hospital for Contagious Diseases; (5) The Protestant Hospital for the Insane; (6) The Children's Memorial Hospital; (7) Montreal Foundling and Baby Hospital.

MUSEUMS.

The Faculty has during recent years devoted special attention to the development of its museums in the several departments in which objective teaching is of special value in the education of the student.

Through the benefaction of the late Lord Strathcona, a splendid new Museum has been erected which is undoubtedly the finest structure of its kind in America. The Museum projects from the north-western side of the new Medical Building, of which it forms a central feature, and faces the Royal Victoria Hospital. It is in the form of a rectangular cross and is in three stories, of which the upper contains the anatomical collections, while the two lower floors are devoted to the Museum of Pathology.

MUSEUM OF PATHOLOGY.

DIRECTOR:—PROFESSOR HORST OERTEL.
CURATOR:—MAUDE E. ABBOTT.
ASSISTANT CURATOR:—W. W. BEATTIE.
OSTEOLOGIST AND PREPARATOR:—MR. E. L. JUDAH.

The Pathological Museum of the University contains to date (May 1st, 1922) approximately 7,440 specimens, of which some 3,540 are mounted and catalogued on the Museum shelves, and the balance are in a carefully labelled and classified storage, where they are readily available for

teaching, and from which they are constantly being drawn and added to the display collection on the shelves of the Museum proper. A descriptive catalogue is in process of preparation, the first volume of which has already been published by the Oxford Press. Other parts are available and are being made ready for print through the help of the Osler Catalogue and the James Cooper Funds. The Museum includes the pathological collection of the Royal Victoria Hospital, which consists of some 240 specimens preserved in colours, mounted and catalogued. A collection of some 200 mounted specimens is also available for teaching purposes in the Museum of the Pathological Department of the Montreal General Hospital. Some 110 models, as well as an extensive set of microscopic slides and charts for pathological and clinical teaching, are filed both in the Museum and in the Pathological Departments of the Royal Victoria and the Montreal General Hospitals.

Museum of Anatomy.

DIRECTOR:—PROF. S. E. WHITNALL.

The Anatomical Museum is designed primarily as a teaching museum to be used in conjunction with the didactic and practical instruction given in the Department of Anatomy. It now contains several thousand preparations and models arranged to illustrate general embryology; human embryology and organogensis; the theory of human evolution; the prehistoric races of mankind; physical anthropology; comparative osteology; general comparative anatomy and the details of human structure, regional, systematic and topographical.

In addition to the material which is exhibited in the museum cases several hundred wet preparations are kept in storage and are used as teaching specimens in the class and dissecting rooms.

Special collections illustrating the anatomy of regions and organs have been formed and are being continually augmented. These are available not only for undergraduate teaching, but also for use by interested graduates.

A collection of over two thousand lantern slides and several hundred stereoscopic photographs is maintained.

The original Anatomical Museum of the College was completely destroyed by the fire of 1907.

Museum of Hygiene.

DIRECTOR:—PROF. T. A. STARKEY.

The material in the museum has been rearranged with a view to exhibiting not only specimens of the best and most approved types of appliances in each particular branch of public health, but also examples of types which are to be avoided on hygienic principles.

In order to facilitate study and reference, the specimens have been classified upon a decimal system under the following sections:—

1. *Disinfection.*—Including disinfecting apparatus of all kinds, disinfectants and antiseptics.

2. *Lighting and Heating.*—Showing contrivances used for these purposes, and illustrative of the principles involved.

3. *Water.*—Showing conditions connected with pollution of water supplies, whether derived from the surface or underground sources; methods of purification on large and small scales; water pipes, etc., and the influence which these fittings may exert upon the water contained therein.

4. *Soils and Buildings.*—Building sites, various kinds of soils; relation between soil and dampness; permeability of soils to gases and water; composition of soils; effects of ground moisture on dwellings; measures to be taken against dampness and foul air; and building materials of all kinds.

5. *Air.*—Including ventilation schemes and appliances; climate and meteorology, with apparatus illustrative of each class.

6. *Foodstuffs.*—Adulterations and sophistications practised; samples of unsound foodstuffs.

7. *Bacteriological and Pathological.*—Specimens of diseased meats; specimens and slides of all the common micro-organisms, pathogenic and non-pathogenic.

8. *Clothing.*—Specimens of all the materials utilized for the manufacture of clothing, showing the raw state and the various processes through which they pass until the finished product is reached; the hygienic value of these various articles is also set forth.

Injuries and deformities which may directly result from the use of badly designed articles of clothing; history and evolution of clothing.

9. *Drainage and Refuse Disposal.*—This section includes every type of appliance used as sanitary fixtures in buildings; drainage schemes; ultimate disposal of refuse both liquid and solid; refuse destructors, and sewage disposal plants. The section also includes types of faulty methods and appliances which on principle ought to be avoided.

In addition to the regular museum exhibit, there is a collection of over 1,000 lantern slides illustrative of phases of hygiene. The slides have been so arranged as to be available for demonstrations as hand specimens.

A catalogue with text and full description of all the exhibits contained in the museum is issued by the University authorities, and may be purchased at the general office.

Library.

HONORARY LIBRARIAN:—C. F. WYLDE.

ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.

ASSISTANTS:— MISS PAULINE M. CARRIERE.
MISS C. DAVIDSON, B.A.
MISS V. LOUISE DAVIDSON.

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the new building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library.

There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for loan by out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m., and after Convocation it is open from 9.00 a.m. to 5.00 p.m., Saturdays 9.00 a.m. to 1.00 p.m. During July and August it is closed all Saturday.

STATISTICS.

October, 1921—May 6, 1922.

Readers	10,764
Books loaned	5,143
Journals loaned	1,364

Accessions from May 10, 1921—May 6, 1922.

Number of journals by gift	107
" " " " purchase	449
" " books by gift	134
" " " " purchase	239
" " transactions by gift	33
" " " " purchase	6
Total	968

Binding.—During 1921-22, 761 volumes were prepared and sent to the bindery. In November, 1921, a bindery was established in the Medical Building, and up to date 285 volumes have been bound here for use in the Library.

Cataloguing.—September, 1921—April 15, 1922

Books	747
Continuations	1,227
Total	1,974

The following journals have been subscribed to during the current year:

Acta oto-laryngologica; American Journal of Pharmacy; Archives internationales de pharmacdynamic; Archives itailenne de biologie; Archives of occupational therapy; Archivio di fisiologia; Archivos de oftalmologia Hispana-Americanos ; Biometrika; Book-post; Bulletins de la société de chemie biologique; Chemical Abstracts; Espana oftalmologia; International Journal of Gastro Enterology; Journal of Metabolic Research; Medical Science—Abstracts and review; Mother and Child; Revista Cubano de oftalmologia; Tohoku Journal of Experimental Medicine.

This increases the number of current journals being received at the Library to 296.

We have this year received donations from the following:

Abbott, Dr. M. E.; American Society for the Control of Cancer; Bender Hygienic Laboratory (Albany, N.Y.); Birkett, Dr. H. S.; Bourne, Dr. Wesley; Bulkley, Dr. L. D.; (New York); Byers, Dr. W. G. M.; Canadian Medical Association Journal; Canton Christian College (China); Clarke, Dr. T. L. E. (St. Kitts, B.W.I.); Connecticut—State of—Tuberculosis Commission; Ewing, Dr. A. E. (St. Louis, Mo.); Garland, Dr. G. M. (Boston); Girdwood, Miss; Gurd, Dr. F. B.; Hawes, Dr. J. B., 2nd (Boston); Henry, Dr. C. K. P.; Hess, Dr. A. F. (New York); Hutchison, Dr. J. A.; Iowa—University of; Johns Hopkins University, Pathological Laboratory; Kellogg, Dr. E. L. (New York); Klotz, Dr. Oskar (Pittsburgh, Pa.); Lakeside

Hospital (Cleveland, Ohio); Lindsay, Dr. L. M.; Macallum, Dr. A. B., McGill University, Redpath Library; Registrar's Office; Manchester;—St. Mary's Hospital; Martin, Dr. C. F.; Medical Research Council (London); Mills, Dr. C. K. (Philadelphia); Murray, Dr. J. A. (London); Ontario;—Provincial Board of Health; Packard, Dr. F. H. (Waverley, Mass.); Plummer, Dr. H. S. (Rochester, Minn.); RockefellerFoundation (New York); Roddick, Sir Thomas; Rolleston, Sir Humphrey (London); Sharpe, Dr. William (New York); Shaw, Dr. T. P.; Shepherd, Dr. F. J.; Solis-Cohen, Dr. Myer (Philadelphia); Stanford University Hospital (San Francisco); Todd, Dr. J. L.; Thompson, Dr. Lloyd (Hot Springs National Park, Ark.); United States War Department, Medical Section; Warbasse, Dr. J. P. (Brooklyn, N.Y.); Western University (London, Ont.); White, Dr. Hamilton; Whitnall, Dr. S. E.; Williams, Dr. C. M. (New York); Wood, Dr. Casey A. (Chicago).

Note:—Where no address is given the donor resides in Montreal.

McGILL MEDICAL SOCIETY.

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To increase the facility with which the men can express themselves in public.

(4) To give the men an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals as well as the leading daily newspapers are kept on file.

CLASS LISTS.

Ninetieth Session 1921-22.

The total number of students enregistered in the Medical Faculty during the past session was 752, of whom 41 were students of Pharmacy with 6 Post Graduates.

Medical Students:

First Year	116
Second Year	117
Third Year (Five Year Course)	137
Third Year (Six Year Course)	83
Fourth Year	142
Fifth Year	110
	705

Pharmacy Students	41
Post Graduates	6
	752

Quebec	269	West Indies	21
Ontario	162	England	3
New Brunswick	52	Finland	1
Nova Scotia & Cape Breton	44	Porto Rico	1
Manitoba	8	Guatemala	1
Newfoundland	11	Italy	1
Prince Edward Island	22	Republic of Panama	1
Alberta	29	Switzerland	1
Saskatchewan	20	British Guiana	1
British Columbia	50		
United States	54	Total	752

First Year.

Addleman, Wm., Ottawa, Ont.
Adams, L. J., Magog, Que.
**Adamson, L. G., Montreal.
Aubry, Albini, Lancaster, Ont.
Ball, F. P., Waterville, Que.
Ball, J. C., St. Catharines, Ont.
Baxter, S. G., Montreal.
Belanger, J. E., Ottawa, Ont.
*Bernstein, J. C., Montreal.
*Bernstein, P. A., Montreal.
Brown, J. L., Regina, Sask.
*Brown, R. E., Stoughton, Sask.
Bullock, T. L., Roxton Pond, Que.
Campbell-Brown, H. I., Vernon, B.C.
**Caplan, I. A., Montreal.
Cohen, H. A., Montreal.
**Corbett, W. E. P., Devonshire, England.
Craig, S. B., Boston. Mass.
Cunningham, E. K., Carman, Man.
**Darby, G. B., St. John's, Nfld.
David, R. S., Trinidad, B.W.I.
Davis, P. H., Brockville, Ont.
DeHaitre, L., L'Original, Ont.
Donawa, V. E., Trinidad, B.W.I.
Doran, E., No. Andover, Mass.
Duboff, M., Montreal.
Dunne, F. S., Ottawa, Ont.
*Finkelstein, M., Montreal.
Fisher, T. L., Ottawa, Ont.
Fontaine, J. B. A., Jr., Woonsocket, R.I.
Fowler, A. F., Ottawa, Ont.
**Galipeau, J. A., Montreal.
**Gately, J. J., Norwood, N.Y.
**Gauley, J. B., Vars, Ont.
Gavsie W. H., Glace Bay, N.S.
Gillson, R. E., Montreal.
**Glass, A. R., St. Catharines, Ont.
Goddard, A. L., Fontabelle, Barbados.
*Goldblatt, A., Montreal.
**Gosnell, T. L., St. John, N.B.
Green, J. L., Brantford, Ont.
Grossman, M., Montreal.
Groves, J. C., Ottawa, Ont.

Hall, A. B., Nelson, B.C.
Hammond, W. F., Riverdale-on-Hudson, N.Y.
Hanna, R. J. E., Perth, Ont.
Harbottle, E. C., Gainsborough, Sask.
Hatch, W. P., Providence, R.I.
Hayes, A. J., Syracuse, N.Y.
Hayes, R. T., St. John, N.B.
Higginson, F. M., Inkerman, Ont.
Howie, J., Montreal.
James, A. G. B., Trinidad, B.W.I.
Jones, F. M., Victoria, B.C.
**Kelly, M. A., Ottawa, Ont.
Krakower, A., Montreal.
*Lacowitsky, J., Montreal.
Lajoie, R. J., Edmonston, N.B.
Lawrence, H. S., Jamaica, B.W.I.
Ledgerwood, G. A., Beachley, Ont.
Levine, B., Montreal.
Levitt, H., Montreal.
Little, W. S., Richmond, Ont.
*Lochead, J. R., Vancouver, B.C.
Lough, H. O., Westmount, Que.
**Macauley, M. J., Sydney, N.S.
**MacDonald, R. W., Campbellton, N.B.
**MacKercher, D. A., Maxville, Ont.
**MacKinnon, H. N., Glace Bay, N.S.
MacKenzie, I., Campbellton, N.B.
MacLean, J. G., North Wiltshire, P.E.I.
MacLennan, Miss M. C., B.A., Westmount, Que.
McEvoy, J. V., Dalhousie, N.B.
McKenna, L. B., Charlottetown, P.E.I.
McKeown, H. J., Russell, Ont.
McLeod, N., Summerside, P.E.I.
**McNally, T. J., Barachois, Que.
McNamara, W. C., Young's Cove, N.B.
Malamud, N., Montreal.
Marsh, F. J., Brome, Que.
Melzak, J. W., Montreal.
Melanson, J. A., B.L., Shediac, N.B.
Moore, E. N., St. Chrysostome, Que.
Moscovitch, J., Lethbridge, Alta.
Nandlal, R., Trinidad, B.W.I.
**Northrup, I., Ogdensburgh, N.Y.
**Paterson-Smyth, G. N., Montreal.
Pfeiffer, W. M., Quebec, Que.
Post, G. C., Whitney, Ont.

Quackenbush, H. A., Ottawa, Ont.
Raginsky, B., Montreal.
Rankin, W. D., Woodstock, N.B.
Rapkine, L., Montreal.
Reid, R. G., Granville Ferry, N.S.
Reid, T. F., North Andover, Mass.
**Richardson, C. F., Montreal.
Robertson, B. D., St. John, N.B.
Ross, A. S., Montreal.
Rubin, N. W., St. John, N.B.
Schlesinger, I. A., Montreal.
*Schwartzman, J., Montreal.
Shaffer, H., Montreal.
Singh, F. B., Trinidad, B.W.I.
Snow, V. A., Ottawa, Ont.
Stockhausen, J. M., Jamaica, B.W.I.
Sullivan, F. W., Fort Fairfield, Maine.
Talbot, L., B.L., Quebec, Que.
Tanzman, J., St. John, N.B.
Taylor, J. N., Almonte, Ont.
Trapp, Miss E., B.A., Westminster, B.C.
Vaz, C. E., Jamaica, B.W.I.
Weisberg, H. M., Montreal.
Wener, W. V., Montreal.
**Whiteside, C. W., Victoria, B.C.
Workman, E., Montreal.

Second Year

Abey, W. J. H., Chater, Man.
Amos, I., L. Montreal.
**Andrews, E. A., Grenada, B.W.I.
**Backman, P. L., Montreal.
Beardsley, J. M., Wolfville, N.S.
Berinbaum, M., Montreal.
Bickford, J. W., Guatemala, Central America.
Blackler, C. F., St. John's, Nfld.
Bloomfield, M. I., Montreal.
Boucher, H. H., Chilliwack, B.C.
Bowman, F. B., Southampton, Ont.
**Boyle, J. E., Ottawa, Ont.
Brown, Miss F. T., Kamloops, B.C.
Burwell, W. K., Renfrew, Ont.
Byrne, J. A., Charlottetown, P.E.I.
Casselman, H., Montreal.
**Chalmers, F. B., Regina, Sask.
Charles, E. D. B., Grenada, B.W.I.
Chisholm, G. W., Montreal.
**Cohen, Jacob, Montreal.
Conrad, E. V., East Lattane, N.S.
Conroy, L. O'N., St. John's, Nfld.
Cowan, W. E., Ottawa, Ont.
**Crocker, W. F., Quincy, Mass.
Crawford, E. M., Pointe Claire, Que.
*** Crowe, Miss M., Montreal.
de Belle, J. E., Montreal.
Dineen, F. J., Sussex, N.B.
Dowd, J. E., Ottawa, Ont.
Dreger, H. C., Kitchener, Ont.
Duffy, St. Clair, Kinkoro, Ont.
*** Dunne, G. P., M.D., St. Paul, Minn.
Farmer, W. D., Cumberland, Ont.
Fullerton, C. W., Montreal.
Galipeau, E. J., Montreal.
Garcin, C. R., Bonne Bay, Nfld.
Gaslin, T. J., North Lancaster, Ont.
Gemeroy, J. C., Winchester, Ont.
Gillies, J. N., Port Daniel Centre, Que.
Glassco, W. G., Hamilton, Ont.
Good, G. A., B.A., Fredericton, N.B.
Graham, E. E., Carp, Ont.
Grassick, G. H., Regina, Sask.
Greer, W. M., Westmount, Que.

Hall, E. B., Bridgetown, N.S.
Hall, N. D., Vancouver, B.C.
Hamilton, J. S. M., Montreal.
Harding, T. E. W., Brockville, Ont.
Herman, Morris, Montreal.
Henderson, J. S., Chilliwack, B.C.
*Higinbotham, N. L., Lethbridge, Alta.
Hill, A. G., Fergus, Ont.
Hutton, Wm., Ottawa, Ont.
Johnson, W. E., Almonte, Ont.
Johnston, B. S., Brockville, Ont.
Kalnit, G. T., Newark, N.J.
Kennedy, Roy, Kensington, P.E.I.
Kolber, B., Montreal.
Land, H. D., Sydney, N.S.
Littner, Max, Montreal.
MacCuaig, D. R., Bainsville, Ont.
MacDonald, A. F., Greenfield, Ont.
MacDonald, Miss A. C., New Westminster, B.C.
MacLean, B.C., Montreal.
MacLean, K. S., North Wiltshire, P.E.I.
MacNaughton, E. A., Martintown, Ont.
McCormack, C. W., Renfrew, Ont.
McDonell, E. D., Dalhousie Station, Que.
McKenna, P. D., Vernon Bridge, P.E.I.
**McLean, E. M., Trinidad, B.W.I.
McVey, J. A., Ottawa, Ont.
Mancuso, F., Carlopoli, Cat., Italy.
Manson, A. B., Vancouver, B.C.
Marcus, S., Montreal.
Meahan, T. F., West Bathurst, N.B.
Melville, K. I., Kingston, Ja.
Menzies, C. G., Ottawa, Ont.
Millen, Miss I., Montreal.
Miller, Noah, Montreal.
**Morris, G. M., Windsor, N.S.
Murphy, F. J., Belleville, Ont.
Murray, W. W., St. Stephen, N.B.
Nanton, H. I., Republic of Panama.
**Nash, A. B., Victoria, B.C.
Nathanson, L., Sydney, N.S.
Nelligan, L. P., St. Louis, P.E.I.
Peacock, H. A., Hamilton, Ont.
Pendleton, R. K., Islesboro, Maine.
**Petersen, S. E., Toronto, Ont.
Philpott, N. W., Hamilton, Ont.

Podvoll, S. M., Brooklyn, N.Y.
Proctor, A. P., Vancouver, B.C.
Puddicombe, J. F. H., Ottawa, Ont.
Rabinovitch, B., B.Sc., Montreal.
Ratner, Max., Montreal.
Redmond, A. D., Iroquois, Ont.
Roberts, P., St. John's, Nfld.
Rothwell, J. C., Lanark, Ont.
Salter, R. A., Bridgetown, N.S.
Scott, R. M., Wallaceburg, Ont.
Silk, Claude W., Penticton, B.C.
Silsby, S. S., Aurora, Maine.
Silverman, N., Montreal.
Smith, C. B., Montreal.
Solloway, E. D., Vancouver, B.C.
Stein, Wm., Montreal.
Strapp, G. A., Hr. Grace, Nfld.
Teggert, Miss D. M., B.A., Montreal.
Taylor, St. E. E., Brooklyn, N.Y.
Thaw, D., Montreal.
Wall, J. J., Ottawa, Ont.
Walters, A. R., Lennoxville, Que.
Ward, C. V., Waterville, Que.
Whidden, R. W., Victoria, B.C.
Winter, J. W., Montreal.
Wittenberg, A., Montreal.
York, G. W. B., Ottawa, Ont.

THIRD YEAR.

(Six-Year Course.)

Ackerman, C. F., Winnipeg, Man.
Altner, H. A., Montreal.
Barnes, S. R. S., Turin, N.Y.
Brown, L. W., Ottawa, Ont.
Butler, W. S., Ottawa, Ont.
Clarke, A. M., Newcastle, N.B.
Clement, H. W., Chesterville, Ont.
Collins, H. A., S.W. Margaree, N.S.
Cruikshank, J. M., St. John West, N.B.
Curbelo, P. G., Arecibo, Porto Rico.
Delahay, J. R., Ottawa, Ont.
Dempsay, G. R., Cochrane, New Ontario.
Dobson, J. W., Hillsboro, N.B.
Donovan, G. J., Woodstock, N.B.
Doubilet, S. I., Montreal.
Dowling, F. V., B.A., Fine, N.Y.
Eaton, G. O., Truro, N.S.
Feigenbaum, J., Montreal.
Ferguson, J. A., Cumberland, Ont.
Fitzmaurice, L. W., New Glasgow, N.S.
Forrest, J. R., Montreal.
Forster, D. S., Montreal.
Glickman, H., Montreal.
Goldman, L., Montreal.
Halperin, J. S., Montreal.
Harris, S. L., Ottawa, Ont.
Helmcken, J. S., Victoria, B.C.
Henry, R. B., Halifax, N.S.
Hill, N. P., Montreal.
Hilton, G. E. M., Ottawa, Ont.
Hope, J. D., Lachute, Que.
Hosang, S. A. B., Trinidad, B.W.I.
Kaufman, M. R., Montreal.
Klineberg, O., Montreal.
Kuntz, A. E., Ottawa, Ont.
Lanthier, J. C., Montreal.
Lantz, J. P., Charlottetown, P.E.I.
LaZerte, L. C., Iroquois, Ont.
Leech, B. C., Regina, Sask.

** Repeating.

Levy, John, B.A., Montreal.
Little, L. P., Ottawa, Ont.
Lindsay, J. R., Glasgow, Ont.
McGuire, J. A., Cornwall, Ont.
Middleton, L. A., Lachute Mills, Que.
Nelson, J., Montreal.
Olmsted, J. G. M., Ancaster, Ont.
Phillips, R. O., Jamaica, B.W.I.
Porter, D. F. W., Fredericton, N.B.
Presner, J. C., Montreal.
Pretty, H. G., Peterboro, Ont.
Rabinovitch, P., Montreal.
Ramjohn, M. R., Trinidad, B.W.I.
Rivenovitch, S., Montreal.
Roach, R. D., Tatamagouche, N.S.
Rosenbaum, S., Montreal.
Rusofsky, H., Montreal.
Senecal, J. G., St. Cesaire, Que.
Smith, B. T., Moose Jaw, Sask.
Stewart, J. A., Kinburn, Ont.
Sullivan, J. K., St. John, N.B.
Swainson, W. L., Jamaica, B.W.I.
Thompson, C. S., North Sydney, N.S.
Tinkess, D. E., Watertown, N.Y.
Thurber, D. S., Millerton, N.B.
Turpel, W. N., Victoria, B.C.
Vallières, J. L., Biddeford, Me.
Wade, R. S., Renfrew, Ont.
Walker, D. W., Montreal.
Walsh, R. J., Sydney, N.S.
Webster, B. P., Lansdowne, Ont.
Wight, G. Earle, Montreal.
Wood, R. P., Everett, Mass.

B. Sc., M. D. Students.

Alexander, B., Montreal.
Gradinger, C. H., Montreal.
Hershon, H., Montreal.
Kanigsberg, J. C., Westmount, Que.
Kennedy, W. R., Montreal.
McCullough, F. D., Moose Jaw, Sask.
Scheffer, I., Montreal.
Steine, B. Z., Montreal.
Wolepor, B., Lachine, Que.
Zuckerman, J., Montreal.

Third Year.

(Five-Year Course.)

Abbott-Smith, G. W., Westmount, Que.
Acton, J. H., Gananoque, Ont.
Alward, H. C., St. John, N.B.
Amos, E. A., Lachine, Que.
Anderson, E. S., Toronto, Ont.
Argue, F. B., Shawville, Que.
Backer, D. R., Montreal.
Bagley, H. E., Danville, Que.
Bearisto, E. B., Malpeque, P.E.I.
Beveridge, W. W., Vancouver, B.C.
Birbeck, A. F., Montreal.
Blain, J. B., Sault Ste. Marie, Ont.
Blumenfeld, E. A., Montreal.
Boyce, J. C., B.A., Calgary, Alta.
Boyd, J. H., River Bourgeois, N.S.
Breitman, R. B. A., B.A., Montreal.
Brown, A. W., Montreal.
Brown, F. M., Carman, Man.
Bruce, H. G., Revelstoke, B.C.
Bustin, H. B., B.A., St. John, N.B.
Caldwell, J. E., Ottawa, Ont.
Caron, R. E., Ottawa, Ont.
Chan, Q. H., Victoria, B.C.
Chisholm, C. A., Antigonish, N.S.
Chisholm, D. N., Port Hastings, N.S.
Cleland, J. G. P., Penticton, B.C.
Clendinnen, I. C., Ottawa, Ont.
**Coveler, H. A., B.A., Montreal.
Curtis, H. C., Somerset, Bermuda.
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Draper, W. B., Freehold, N.J.
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Elliott, J. M., Vancouver, B.C.
Elliott, S. G., Forget, Sask.
Elvidge, A. R., Montreal.
Emmons, W. F., M.Sc., Vancouver, B.C.

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Fraser, D. S., New Glasgow, N.S.
Fraser, J. O., St. John's, Nfld.
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Geddes, A. K., Truro, N.S.
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Gincherman, A., Montreal.
Graham, H. C., Kemptville, Ont.
Griffith, J. J., Montreal.
Gunn, W. G., Vancouver, B.C.
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Hamilton, R. S., Victoria, B.C.
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Kelly, W. M., Huntingdon, Que.
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Lax, A., Hawkesbury, Ont.
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Zinck, R. C., Chester, N.S.

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Burke, H. E., Peru, N.Y.
Burke, W. E., Portland, Maine.
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Sprince, H., B.A., Lewiston, Maine.

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Copeland, N., Cornwall, Ont.
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Goldman, S., Montreal.
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Griffith, H. R., M.M., B.A., Montreal.
Grimmett, R. S., Edmonton, Alta.
Hart, H. H., B.A., Westmount, Que.
Henry, C. B., Montreal.

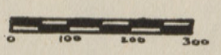
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H. A. SMITH, M.A., Vice-Dean, Faculty of Law.

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A. B. Wood, B.A., Representative Fellow in Arts.

R. F. Ruttan, B.A., M.D., D.Sc., F.R.S.C., Elective Fellow, Faculty of Medicine.

Ira A. Mackay, M.A. (Dal.), LL.B. (Dal.), Ph.D. (Cornell), Governors' Fellow.

C. E. Fryer, Ph.D., Elective Fellow, Faculty of Arts.

Rev. D. L. Ritchie, B.A., D.D., Representative Fellow, Congregational College of Canada, Principal of the College.

E. M. Eberts, M.D., Representative Fellow in Medicine.

Rev. E. I. Rexford, M.A., LL.D., Representative Fellow, Montreal Diocesan Theological College, Principal of the College.

C. M. McKergow, M.Sc., Elective Fellow, Faculty of Applied Science.

A. H. Elder, B.A., B.C.L., Representative Fellow in Law.

Rev. George Duncan, M.A., D.D., Governors' Fellow.

F. H. Grindley, B.S.A., Representative Fellow in Agriculture.

To retire 1st September, 1926.

Rev. D. J. Fraser, M.A., LL.D., D.D., Representative Fellow, Presbyterian College, Montreal, Principal.

————————Representative Fellow in Medicine.

————————Representative Fellow in Applied Science.

————————Representative Fellow in Law.

Hon. Mr. Justice E. Edwin Howard, B.A., B.C.L., K.C., Elective Fellow, Faculty of Law.

W. W. Chipman, B.A., M.D., F.R.C.S., F.A.C.S., Elective Fellow, Faculty of Medicine.

J. B. Porter, Ph.D., D.Sc., Elective Fellow, Faculty of Applied Science.

I. Gammell, B.A., Governors' Fellow.

William Lochhead, B.A., M.Sc., Elective Fellow, Faculty of Agriculture.

(The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University.)

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1923-24.

1923

Monday, Sept. 10.	Supplemental Examinations begin.
" " 17.	Register opens for students in Medicine.
" " 24.	Lectures begin.
Friday, Oct. 5.	Convocation for conferring Degrees at 4 p.m.
Saturday, " 6.	Founder's Day.
Wednesday, " 10.	Register closes for the session.
Thursday, " 11.	Meeting of the Faculty.
Friday, " 19.	Sports Day. No lectures.
Saturday, " 20.	Meeting of the Faculty Council.
Monday, Nov. 12.	Thanksgiving Day. No lectures.
Saturday, Dec. 22.	Last day of lectures before Christmas.

1924

Monday, Jan. 7.	Lectures resumed.
Thursday, " 10.	Meeting of the Faculty.
Saturday, " 12.	First term lectures end.
Monday, " 14.	Examination for students of the first three years.
Saturday, " 19.	Meeting of the Faculty Council.
Monday, " 21.	Second term opens.
Wednesday, Mar. 5.	Ash Wednesday. No lectures.
Saturday, April 5.	Meeting of the Faculty Council.
Friday, " 18.	Good Friday. No lectures.
Saturday, " 19.	No lectures.
Thursday, " 24.	Meeting of the Faculty.
Wednesday, " 30.	Lectures end.
Saturday, May 3.	Meeting of the Faculty Council.
Monday, " 5.	Examinations begin.
Friday, " 30.	Convocation for Conferring Degrees.

SECRETARY AND BURSAR.

A. P. S. Glassco, B.Sc., Office East Wing, McGill College.

(*Office Hours:—9 to 5.*)

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S. R. Burrell, Esq.

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J. A. Nicholson, M.A., LL.D., Office, East Wing, McGill College.

(*Office Hours:—9 to 5.*)

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C. F. MARTIN, B.A., M.D., Dean.
J. C. SIMPSON, B.Sc.,
Secretary.

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H. T. C. WHITLEY, M.D.
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The Biological Building.

part of it was ready for occupation. In 1911 it was wholly available for the work of the Faculty.

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H. P.
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emonstrator in Pathology.
LEY, M.D.
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FACULTY OF MEDICINE

The ninety-second session of the Faculty will be opened on September 24th, 1923. The regular lectures in all subjects will begin on that date at the hours specified in the time-tables, and will continue until April 30th, 1924.

FOUNDATION AND EARLY HISTORY.

The Faculty of Medicine of McGill University is the direct outcome and continuance of a teaching body known as the Montreal Medical Institution, which was organized as a medical school in the years 1823-24 by Drs. Wm. Robertson, Wm. Caldwell, A. F. Holmes, John Stephenson and H. P. Loedel. These men constitute the first medical staff of the Montreal General Hospital, itself established in 1819. The first session of the Montreal Medical Institution opened in November, 1824, with 25 students, and the lectures were given at the house of the Institution, No. 20 St. James Street, a building situated on the north side of St. James Street, at or near Place d'Armes.

In the year 1829, the Montreal Medical Institution became, by the formal act of the Governors of the Royal Institution for the Advancement of Learning, the Medical Faculty of McGill University. It is thus the oldest Faculty of the University. The first session of the McGill Medical Faculty took place in the winter of 1829-30, and the first university degree, a medical one, was conferred four years later in 1833.

There were no sessions held during the political troubles of 1836 to 1839, and it is owing to this fact that this is the ninety-second instead of the ninety-fifth session of the Faculty, dating from its incorporation with the University in the year 1829.

The work of the Faculty was carried on in the central part of the city until 1872, when a building was provided by the Governors on the University grounds. This building met the demands of the steadily increasing number of students until 1885, when an addition was found to be necessary.

In 1893 and again in 1897, further extensions and alterations were made, funds for the purpose having been provided by generous friends of the Faculty.

On the 16th of April, 1907, a part of these new buildings, together with the original medical building, was destroyed by fire.

The erection of a new building was at once begun on a new site, at the corner of Pine Avenue and University Street, and in 1910 the greater part of it was ready for occupation. In 1911 it was wholly available for the work of the Faculty.

ENTRANCE REQUIREMENTS.

All inquiries relating to the examinations for entrance should be addressed to the Registrar of the University.

No student will be permitted to register in the Faculty of Medicine unless he has completely satisfied the matriculation requirements.

The requirements for entrance to the Faculty of Medicine are:—

(a) The completion of the first year in the Faculty of Arts of any recognized university, with Physics compulsory

or

(b) Any equivalent provincial, state, or university examination recognized by the University.*

Unless the candidate has a B.A. or a B.Sc. degree he must also have completed the Junior Matriculation requirements in Latin.

Intending students who wish to enter by certificates should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

Students who intend practising in Canada are warned that in certain of the provinces it is necessary to be registered five years before obtaining a license to practise. Entrance qualifications should be registered in the province in which the student intends to practise at the beginning of his course in the Faculty of Medicine and they must be not later than the close of the first year of his course therein.

The names and addresses ot the Registrars ot the several Provincial Medical Councils are as follows:—

QUEBEC.—Dr. J. Gauvreau, Dandurand Bldg., corner St. Catherine and St. Denis Streets, Montreal.

ONTARIO.—Dr. H. Wilberforce Aikins, 170 University Avenue, Toronto.

NEW BRUNSWICK.—Dr. J. S. Bentley, St. John.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax.

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*For example, the Senior Matriculation Examination of McGill University or the Honour Matriculation Examination of the Province of Ontario will be accepted *pro tanto*. Particulars of the requirements in each subject of the Senior Matriculation Examination are contained in the General Announcement, which will be sent on request to the Registrar of the University.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Charlottetown.
NEWFOUNDLAND.—Dr. H. Rendell, St. John's.
MANITOBA.—Dr. J. E. Coulter, Winnipeg.
ALBERTA.—Dr. Geo. R. Johnston, Calgary.
SASKATCHEWAN.—Dr. A. MacG. Young, Saskatoon.
BRITISH COLUMBIA.—Dr A. P. Proctor, Vancouver.

ADVANCED STANDING.

A student of another university who desires to be admitted to advanced standing in the Medical Department of this University will send his application to the Dean of the Faculty, together with:—

1st.—A Calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—An official statement of the course he has followed and the standing he has obtained.

3rd.—A certificate of conduct.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH.

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of the Second Year, as well as those of all years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics special exercise will be prescribed and instruction provided. The students will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for this examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

Provision is made by the Departments for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only except under special circumstances.

REGISTRATION.

In order to prevent overcrowding of class rooms and clinics it has been decided to limit the number of students registering in the First Year of the medical course to one hundred. Early application is advised.

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1923-24 on September 17th to September 22nd, 1923. Those who wish to register after September 22nd will be required to pay a fee of $5.00 during the first week of the session and $10.00 during the second week before they will be allowed to do so. This fee will not be refunded except for satisfactory reasons and by the authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

REQUIREMENTS FOR LICENSE TO PRACTISE.

Intending students are reminded that a University degree in Medicine does not always give a right to practise the profession of medicine. It is necessary to conform with the medical laws of the country or province in which it is proposed to begin practice. Each province in Canada at present has its special requirements for license, and in most provinces a special standard of general education is insisted upon before beginning the study of Medicine.

For names and addresses of Registrars of Provincial Medical Councils, see page 20.

DOMINION REGISTRATION.

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN.

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN.

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Boards of the Provinces of Quebec, Ontario, Nova Scotia, New Brunswick, Prince Edward Island, Saskatchewan, Manitoba, and Alberta. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain, and will be able to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

FEES.

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 26th and 27th.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

The registration ticket must be shown to the Bursar at the time of the first payment.

Fees will also be accepted before September 26th.

After September 27th or February 1st (in the case of those who pay by instalments) an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after October 5th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Deans of the several Faculties a list of the registered students who have not paid their fees, on receipt of which the Deans shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after September 22nd shall pay their fees at the time of registration, failing which they become subject to the provisions of Regulation 2.

4. The total Faculty fees for the medical course of six full sessions, including clinics, laboratory work, dissecting materials and reagents, will be *twelve hundred dollars*, payable in six annual instalments of $200.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $12.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees. No fees will be refunded to partial students under any circumstances whatever.

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid full fees elsewhere for the course taken. These students are also required to pay in addition the hospital fees exacted in the year to which they are admitted.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for a half session, and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. The fee for the Degree of Doctor of Medicine and Master of Surgery is $30.00, to be paid by the successful candidate to the University Bursar immediately after the final examination. When the degree is conferred in absentia, an additional fee of twenty dollars will be exacted unless the candidate has been specially exempted by the Faculty.

10. The fee for the course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

SUMMARY OF FEES.

Sessional fee		$200.00
By Instalments:		
First instalment, if paid before Sept. 28th	$102.00	
Second instalment, if paid before February 1st	102.00	
Microscope, first instalment (on deferred payment plan)	35.00	35.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc	12.00	12.00
	$261.00	$257.00
Graduation fee		$ 30.00

MICROSCOPES.

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—$\frac{2}{3}$, $\frac{1}{6}$ and $\frac{1}{12}$ oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $120.00 or on the deferred payment plan by which payment is spread over five years as follows:—First Year, $35.00; second year, $27.50; third year, $25.00; fourth year, $22.50; fifth year $15.00.

MEDALS, PRIZES AND FELLOWSHIPS.

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the Third Year.

The Wood Gold Medal, founded by Casey A. Wood, M.D., awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical branches of the Final Year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

The Final Prize.—A prize in books, awarded for the best examination, written and oral, in the final branches. The Holmes medalist is not permitted to compete for this prize.

The Fourth Year Prize.—A prize in books, awarded for the best examination, written and oral, in all the branches of the Fourth Year course.

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Clinical Therapeutics.

The Third Year Prize.—A prize in books, awarded for the best examination, written and oral, in the branches of the Third Year.

The Joseph Morley Drake, M.D., Prize. (Founded by the late Joseph Morley Drake, M.D.)—A microscope, to be awarded to the student of the Fourth Year who obtains the highest number of marks for the examinations in Pathology and Bacteriology.

The Second Year Prize.—A prize in books for the best examination in all branches of the Second Year course.

The First Year Prize.—A prize in books for the best examination in all branches of the First Year course.

The A. A. Browne Memorial Fellowship.—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The John McCrae Scholarship.—A scholarship of approximately $600, founded in 1918 as a yearly donation by Mr H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company as a permanent scholarship.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation into the Medical Faculty of McGill University.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

THE UNDERGRADUATE COURSE.*

The Undergraduate Course consists of six sessions of eight months each, the work being arranged as follows:—

FIRST YEAR.

Biology:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Chemistry:—Three hours' lectures and two three-hour laboratory periods throughout the session.

Physics:—Three hours' lectures and two two-hour laboratory periods throughout the session.

English:—A tutorial class in English expression and a lecture course similar to that in First Year Arts.

SECOND YEAR.

Anatomy:—Three hundred and sixty hours.

Histology and Embryology:—One hundred and eighty hours.

Physiology:—A course of sixty hours in General Physiology and one hundred and eighty hours in Human Physiology.

Chemistry:—Organic Chemistry, sixty hours.

THIRD YEAR.

Anatomy:—Including Organogenesis, three hundred and sixty hours.

Biochemistry:—Two hundred and forty hours.

Physiology:—One hundred and fifty hours.

Bacteriology:—One hundred and twenty hours.

Parasitology:—Forty hours.

History of Medicine:—Fifteen hours.

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*It should be understood that the programme and regulations regarding courses of study and examinations contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole of a student's course, to the conditions here laid down.

FOURTH YEAR.

Pharmacology:—One hundred and fifty hours.

Pathology:—One hundred and fifty hours.

Hygiene:—Ninety hours.

Pathological (Clinical) Chemistry:—Sixty hours.

Clinical Microscopy:—Sixty hours.

Psychology:—Thirty hours.

Medicine:—One hundred and fifty hours.

Surgery:—One hundred and fifty hours.

Obstetrics and Gynæcology:—Sixty hours.

FIFTH YEAR.

Pathology:—Ninety hours.

Medical Jurisprudence:—Forty hours.

Clinical Therapeutics:—Thirty hours.

Medicine and Clinical Medicine (including Pediatrics, Neurology, Psychiatry, and Dermatology):—Three hundred and fifty hours.

Surgery and Clinical Surgery (including Operative Surgery, Orthopædic Surgery and Urology):—Three hundred hours.

Obstetrics and Gynæcology:—Ninety hours.

SIXTH YEAR.

This, the final year of the Six Year Course, will be given for the first time during the session of 1924-25 and will be devoted almost entirely to hospital work in the clinical subjects begun in the Fifth Year. The student will act as a clinical clerk, or externe, in a rotating service under supervision, and will at the same time be given certain instruction by clinics and lectures.

REQUIREMENTS FOR DEGREES.

I. FOR THE DEGREE OF M.D., C.M.

1. No one will be admitted to the degree of Doctor of Medicine and Master of Surgery who shall not have attended lectures for a period of five eight-month sessions in this University, or some other university, college or school of medicine, approved by this University. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University shall be required to pass an examination in primary subjects, and all examinations in the final subjects in the same manner as students of this University.

2. Candidates for final examination shall furnish testimonials of attendance on the following branches of medical education; provided, however, that testimonials equivalent to, though not precisely the same as those stated, may be presented and accepted:—

Biology, General Chemistry, Practical Chemistry, Physics, Histology, Embryology, Anatomy and Practical Anatomy, Physiology and Practical Physiology, Organic Chemistry, Biological Chemistry, Physiological Chemistry, Pharmacy, General Pathology, Bacteriology, Clinical Microscopy, Pharmacology, Therapeutics, Medical Jurisprudence, Hygiene and Public Health, Medical and Surgical Anatomy, Operative Surgery, Special Pathology, Morbid Anatomy, Clinical Chemistry, Principles and Practice of Surgery, Clinical Surgery, Theory and Practice of Medicine, Clinical Medicine, Obstetrics and Diseases of Infants, Gynæcology, Pediatrics, Mental Diseases, Ophthalmology, Oto-Laryngology.

They must also produce certificates of having assisted at six autopsies.

3. No one will be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital, or some other hospital of not fewer than 100 beds, approved by this University.

5. **He must give proof of having acted as clinical clerk for six months** in Medicine and six months in Surgery in the wards of a general hospital recognized by the Faculty, and of having reported at least ten medical and ten surgical cases.

6. He must also give proof of having attended for at least nine months the practice of the Montreal Maternity or other lying-in hospital approved by the University, and of having acted as assistant for at least twenty cases.

7. Every candidate for the degree must, on or before the 30th day of April, present to the Dean of the Medical Faculty testimonials of his

qualifications, entitling him to an examination, and must at the same time deliver an affirmation or affidavit that he has attained the age of twenty-one years.

8. The examination to be undergone by the candidate shall be in the subjects mentioned on pages 28 and 29.

9. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum persevaturum; tum porro artem medicam caute, caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum: quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

II. FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE.

The requirements for this degree are as follows:—

1. Honour standing in the examinations in any two of the following subjects:—Anatomy (including Histology and Embryology), Physiology, Biochemistry, Pharmacology and Pathology.

2. In addition to the regular undergraduate courses in Medicine, 240 hours of specialized study in a third one of these subjects, under the guidance of the department concerned and approved by the B.Sc. (Med.) Committee. In the examinations in the special subject honour standing will be exacted.

Candidates are strongly recommended to acquire a reading knowledge of both German and French, and their attainments, as shown by their record in the class lists in the undergraduate course, must be distinctly above those of the average student.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the First Year subjects, the marks obtained being added to the total marks obtained at the final examinations.

Any student of the First Year whose work at the end of the first term is judged to have been unsatisfactory may be asked to leave the University.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass and 75 per cent. for honours.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than three subjects of the First or Second Year and in not more than two subjects in the Third and Fourth Years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Students who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplementary examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

Students who fail at the examination held at the end of the first term may, at the discretion of the examiners, be granted supplemental examinations at a period not less than three months after the regular examinations.

A student who, after being registered in the First, Second, Third or Fourth Year for three successive sessions, fails to qualify for advancement, or who, after being registered in the final year for three successive sessions, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Registrar at least three days before the day set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject.

DOUBLE COURSES.

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years, of which the first two shall be taken in the Faculty of Arts, and the remaining six in the Faculty of Medicine. The course in Arts is as follows:—

First Year:—As for the First Year of the B.A. course.

Second Year:—Any five of the following:—

Economics 1, History 2, English 4, French 2 (Continuation subject), **German 5** (Continuation subject), **Hebrew 1, Latin 2** (Continuation subject), *or* **Greek 2** *or* **4** (Continuation subject), **Mathematics 3** *or* **4** (Continuation subject), **Philosophy 2, Political Science 2, Psychology 1.**

The B.A. degree will be conferred on the completion of the Second Year in Medicine.

B.Sc.M.D.

This course in the physical and biological sciences is specially devised for students who might wish to proceed to a degree in Medicine or to advanced work in physiology, biological chemistry, pharmacology or allied subjects.

Graduates in this course are qualified to enter the Third Year in the Faculty of Medicine.

First Year.

English 1 and 2, German 3, Mathematics 1 *or* **2.**

Physics 1, Chemistry 1, French 12.

Second Year.

German 4 *or* **French 2, Physics 2,**

Botany 1.

Zoology (as in First Year Medicine), **Chemistry 3.**

Third Year.

Chemistry 2 and 4, General Physiology (as in Second Year Medicine).

Zoology 4 and 7, Physics 3A, Botany 4.

Histology and Embryology (as in Second Year Medicine).

Fourth Year.

Chemistry 7 and 10, Anatomy (as in Second Year Medicine) *or* **Special Advanced Biology.**

Physiology (as in Second Year Medicine).

COURSES OF LECTURES.

BIOLOGY

The course in Biology for Medical students is conducted, conjointly, by the University Departments of Botany and Zoology. It consists of three parts:—

Part I. (The Microscope).

PROFESSOR OF BOTANY:—FRANCIS E. LLOYD.
ASSISTANT PROFESSOR:—GEORGE W. SCARTH.

This part of the course deals with the rationale and simple technique of microscopic vision, including both light and dark field illumination. Twelve lectures and twelve laboratory periods (three of each per week during the first month of the session).

Part II. (Zoology).

PROFESSOR OF ZOOLOGY:—ARTHUR WILLEY.
ASSISTANT PROFESSOR:—J. STAFFORD.
LECTURER:—M. NOTKIN.

The course in elementary zoology is that part of the premedical curriculum which introduces the student to some of the terms and principles of animal biology. The manner in which the leading functions of the body are performed in a number of selected types is explained, thereby preparing the mind for the reception of the more advanced instruction in human anatomy and physiology.

Text-Book:—Wells and Davies.

Part III. (General Biology).

PROFESSOR:—FRANCIS E. LLOYD.
ASSISTANT PROFESSOR:—GEORGE W. SCARTH.

This part of the course is a continuation of Part I. It consists of laboratory training in elementary general biology, dealing more especially with those aspects of the field best illustrated by plans; and of lectures based upon the laboratory experience.

Lectures, three per week, and laboratory periods, three (each of three hours) per week, from the close of Part II of the course to the end of the session.

GENERAL AND ORGANIC CHEMISTRY.

PROFESSOR:—R. F. RUTTAN.

ASSOCIATE PROFESSOR:—N. N. EVANS.

ASSISTANT PROFESSOR:—W. H. HATCHER.

DEMONSTRATORS:—D. M. MORRISSON. D. K. CHARLTON. A. CAMBRON. G. W. HOLDEN.

Instruction in General and Organic Chemistry for students in Medicine is given during a portion of each of the first two years.

First Year.—During the First Year the principles governing chemical action are studied in a systematic laboratory course. A printed synopsis of the work of each day is provided and necessary explanations given before beginning the work. The course includes a study of chemical phenomena; the preparation and properties of typical elements and compounds; the laws of chemical action; gravimetric and volumetric determinations, and a short course in qualitative analysis. The student is required to pay special attention to the keeping of an accurate record of his observations and calculations.

Note-books for this purpose are provided and are examined and criticized by the demonstrators. Test examinations are held during the session.

During this year a course of experimental lectures in general chemistry is given; three per week, with frequent reviews and examinations. This course is designed to familiarize the student with the characteristics of chemical action and the conditions which modify it, rather than a detailed study of the preparation and properties of the elements and their compounds. The course includes the elements of physical chemistry and simple calculations. The application of chemistry to medicine is made especially prominent. An examination in general chemistry is held at the end of the session.

Second Year.—A short introductory course of three lectures per week in organic chemistry is given during the first term. This forms a preparatory course leading up to the more complete study of organic substances of biological importance during the second term in the course on biological chemistry.

Students will find it greatly to their advantage to have a practical knowledge of elementary chemistry before entering upon the study of Medicine. Graduates in Arts of recognized universities, on presenting certificates of having taken courses in theoretical and practical chemistry, and of having passed examinations in the same, may be exempted from the chemistry of the First Year.

Text-books:—General Chemistry—General Chemistry for Colleges (new edition), Alex. Smith; Organic Chemistry, Remsen.

PHYSICS.

PROFESSOR OF PHYSICS:—A. S. EVE.

ASSISTANT PROFESSORS:—H. E. REILLEY. D. A. KEYS.

DEMONSTRATORS:—VIOLET HENRY. R. J. CLARK. R. A. SMITH.

First Year.—This course is given in the Physics Building of the University. It consists of four lectures and two laboratory periods of two hours per week throughout the session.

The lectures are experimental in character, especially designed to meet the requirements of students in Medicine. The course includes a study of energy, simple machines, properties of matter, fluid pressures, fluid motion, capillary phenomena; production, transmission and interpretation of sound; temperature and temperature measurements, gas laws and kinetic theory, heat capacity, latent heats, laws of vaporization, humidity measurements, heat conduction; elements of magnetism, laws of electrostatics, electrostatic induction and condensers; primary batteries, Ohm's law and its applications, measurements of resistance and electromotive force, measuring instruments, magnetic effects of current, induced currents, induction coil, conduction through gases, properties of cathode rays and X-rays; radioactive substances and their radiations; laws of reflection and refraction of light, mirrors, lenses and combinations, microscopes, telescopes, spectra, spectrum analysis, colour interference, crystallography, polarized light and saccharimetry.

In the laboratory the student learns the use of such instruments as the balance, vernier, spherometer, hydrometer, hygrometer, spectroscope, saccharimeter, electroscope. Verifications are made of Archimedes' principle, Boyle's law, laws of reflection and refraction, Ohm's law, etc. Measurements are taken of specific gravities, frequencies, specific heats, latent heats, electrical resistances, focal lengths, besides qualitative experiments illustrating the more important physical principles.

Students entering McGill University in all faculties receive lectures and do laboratory experiments in Physics, hence a good knowledge of arithmetic, algebra and geometry is required.

A knowledge of the elements of trigonometry, logarithms, mechanics and physics enables a student to make a good beginning on entry, which stands him in good stead for the remainder of his college career.

Text-Book:—Duff's Text-book of Physics,—Blakiston's.

ENGLISH.

The course in English will be conducted in the Faculty of Arts and will cover the following:

ENGLISH 1: **English Composition:** Class discussions of words, sentences, paragraphs, whole compositions, including the various types of English prose, narration, description, exposition and arguments. The object of this course is to train students to write English with correctness, clearness and facility. Constant practice in writing is required. The class is divided into sections of not more than forty. On the last lecture hour of each month the sections are brought together for a general discussion and review. Individual conferences or tutorial meetings with the instructor, or an assistant, are required at least every fortnight.

ENGLISH 2: **English Literature:** Two hours a week and a third hour at the pleasure of the department. The object of this course is to give the student a general background knowledge of English literature from Chaucer to the present time. A large amount of illustrative reading is prescribed. Individual conferences or tutorial meetings with an assistant are required at least every fortnight; these conferences include discussions and examination questions on the readings and lectures.

ANATOMY.

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.

ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.

LECTURER IN HISTOLOGY:—W. M. FISK.

LECTURER IN EMBRYOLOGY:—F. SLATER JACKSON.

LECTURER IN ANATOMY:—I. MACLAREN THOMPSON.

LECTURER IN CHARGE OF DENTAL STUDENTS:—H. E. MACDERMOT.

SENIOR DEMONSTRATOR (in Charge of Dissecting Room):—
A. D. CAMPBELL.

DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—IVAN PATRICK.

DEMONSTRATORS:

F. J. TEES.
L. H. MCKIM.
H. BRUCE MALCOLM.
G. A. FLEET.
H. M. YOUNG.
J. G. W. JOHNSON.
A. ROSS.
L. L. REFORD.
F. N. K. FALLS.
A. J. MARTIN.

PROSECTOR:—MR. WILLIAM MUIR.

Under the six-year curriculum the student begins the study of anatomy in the Second Year of his course, and continues it in the Third, Fourth and Fifth Years. During the Second and Third Years the whole body is dissected twice. The aim of this part of the course is to establish the essential foundations upon which the practice of medicine and surgery is based; the importance of the application to the living body of the knowledge gained in dissection is, therefore, emphasized throughout. During the Fourth and Fifth Years the subject is considered from the standpoint of its clinical bearing. Close co-operation between the anatomical, histological and embryological parts of the course is maintained during the whole four years.

Second Year.

1. **Elementary Anatomy:**—The student dissects the whole body, including the brain, aiming at a general knowledge of the form and relations of the systems and organs without detailed consideration. Stress is laid upon the importance of function in determining form and structure, and the osteology and surface anatomy are studied concurrently.

Whole session, 330 hours.

Text-books:—Gray's "Anatomy" (English edition); Walmsley's "Practical Anatomy."

2. **Histology and Embryology:**—A course of lectures and practical work on the general problems of development and on the early stages of development of the human embryo and a detailed study of the microscopic structure of the tissues and organs of the human body.

Whole session, 180 hours.

Text-book:—Jordan, "Text-book on Histology."

Reference books:—Kellicott, "Text-book of General Embryology"; Prentiss and Arey, "Text-book of Embryology."

Third Year.

3. **Advanced Anatomy:**—The whole body is dissected for the second time and in detail. In this year regional and cross-section anatomy receive special attention and, in correlation with courses 5 and 6, the nervous system and sense organs are further studied.

Whole session, 360 hours.

Text-book:—Gray's "Anatomy" (English edition).

4. **Special Histology:**—(During 1923-24 only.) This course runs parallel with the course in gross anatomy, the microscopic structure of the organs and systems being studied at the time they are dissected.

Whole session, 90 hours.

Text-book:—Jordan, "Text-book of Histology."

5. **Organogenesis:**—The development of the organs and systems of the human body, co-ordinating with courses 4 and 5.

Whole session, 30 hours.

Text-book:—Prentiss and Arey, "Text-book of Embryology."
Reference:—"Reference Handbook of Medical Sciences," new edition, 1922, Keibel and Hall.

Fourth Year.

6. **Surgically Applied Anatomy**:—This course is given in January and February, immediately preceding the course in Operative Surgery on the cadaver, which is conducted in the dissecting room by the Department of Surgery. Second trimester, 30 hours.

Fifth Year.

7. **Medically Applied Anatomy**:—An optional course of eight lecture periods. Second trimester, 8 hours.

Collateral Reading:—The following books are recommended for collateral reading by students in the department:—

Ranson, "Anatomy of the Nervous System" (Third Year).
Keith, "Human Embryology and Morphology" (Third Year).
Treves and Keith, "Surgical Applied Anatomy," or
Davis, "Applied Anatomy" (Fourth Year).
Hilton, "Rest and Pain" (Third or Fourth Year).
Whitnall, "The Human Orbit."

Dictionary:—Every student is advised to provide himself with a good medical dictionary as an essential part of his text-book equipment. Any one of the following may be recommended:—Stedman, Dorland, Gould, Lippincott's, American.

Alternative Text-books:—Although the text-books mentioned in connection with the courses are recommended, any of the following may be used:—

Anatomy:—Cunningham, "Text-book of Anatomy"; Morris, "Human Anatomy"; Piersol, "Human Anatomy"; Quain, "Elements of Anatomy."
Practical Anatomy:—Parsons and Wright, "Practical Anatomy"; Heisler, "Practical Anatomy"; Cunningham, "Manual of Practical Anatomy."
Anatomical Atlases:—Sabotta and McMurrich; Toldt; Spalteholz.
Embryology and Histology:—Schafer, "Essentials of Histology"; Piersol, "Normal Histology"; Bailey, "Text-book of Histology"; Lewis and Stohr, "Text-book of Histology"; Bailey and Miller, "Text-book of Embryology"; McMurrich, "The Development of the Human Body."

Post-Graduate Study.

Material and preparations for post-graduate study are always available, and a special effort will be made to assist graduates in the investigation of any part of the subject in which they are interested.

Physical Anthropology.

The Department is prepared to give a course of special instruction in the methods and application of this subject.

Dental Anatomy.

Details of the courses in Anatomy and Histology for dental undergraduates and graduates will be found in the Announcement of the Faculty of Dentistry.

GENERAL PHYSIOLOGY.

PROFESSOR:—FRANCIS E. LLOYD.

ASSISTANT PROFESSOR:—GEO. W. SCARTH.

On the structure, properties and behaviour of protoplasm. Sixty hours during the first semester, for the students of the Second Year.

Reference Books:—Verworn, General Physiology (translation by Lee); Bayliss, Principles of General Physiology; Bechhold, Colloids in Biology and Medicine (translation by Bullowa); McClendon, Physical Chemistry of Vital Phenomena.

PHYSIOLOGY.

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT.

LECTURERS:—F. GREEN, G. J. CASSIDY, N. GIBLIN.

ASSISTANT:—S. W. BRITTON.

DEMONSTRATORS:—JOHN C. ARMOUR, G. A. FLEET, R. B. MALCOLM.

The purpose of this course is to make the student thoroughly acquainted, so far as time permits, with modern physiology, both from a scientific and practical standpoint—its methods, its deductions, and the basis on which the latter rests.

1. UNDERGRADUATE COURSE IN PHYSIOLOGY

This course, which lasts two years, comprises lectures, demonstrations, laboratory work and hospital clinics.

Lectures:—These extend over two years and are illustrated by diagrams and lantern demonstrations.

Demonstrations:—Special demonstrations are given from time to time on such subjects as cannot be dealt with by individual groups of the practical class, and also on whatever research work is being carried out in the Department.

Laboratory Work:—(a) Juniors. First year students work for the most part in pairs for one period of three hours per week throughout the year. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous systems. Frog material is largely used for the latter part of this course.

Class Book:—Schafer's "Experimental Physiology."

(b) Seniors. Second year students, working in pairs or in larger groups, attend for one period of three hours per week throughout the year. The course includes mammalian operative work as well as observations on the human subject with clinical and other apparatus.

Class Book:—Sherrington's "Mammalian Physiology."

Hospital Clinics:—Along with the formal instruction in physiology clinical demonstrations are given in the hospital theatres on patients. The object of these demonstrations is to show the relation of physiology to symptoms of disease in the human subject.

2. Advanced Physiology.

In this course certain branches of the subject will be selected for more detailed treatment because of their special medical or scientific interest. It is proposed this session to treat among other subjects the lymphatic system and vascular lining, cerebro-spinal fluid, central nervous system and endocrine glands.

Professor Tait and Staff.

3. Structure and Function.

This course includes a review of modern work in biology in which structure, whether of the developing or of the adult animal, has been investigated by experimental means. The aim is to show the scope and place of physiology and of physiological method in relation to such problems. A special study will be made of structural adaptations to physically new environment.

Professor Tait.

4. Blood and Circulation.

This course, designed in part for clinicians, will include lectures, laboratory work and demonstrations. The following questions will receive consideration:—Life-history of the corpuscles, hœmoglobinometry, hæmocytometry, hæmolysis, blood transfusion, coagulation and arrest of hæmorrhage, cytology of the cerebro-spinal fluid, methods of recording pulse and blood pressure, electrocardiography and experiments on the excised heart and vessels.

Drs. Green, Cassidy and Giblin.

5. Physiological Colloquium.

This meets weekly and is limited to those engaged in research in the department.

6. Tutorial Class.

This class is held in connection with advanced graduate reading.

Professor Tait.

STUDENTS' PHYSIOLOGICAL SOCIETY.

Both undergraduate and graduate students will find it of advantage to become members of the Students' Physiological Society. In addition to the privilege of hearing from time to time addresses on special departments of the subject, members are entitled to consult and to borrow books of the library of the Society, which contains many standard text-books and special works.

RESEARCH WORK.

For particulars and facilities relating to research work in physiology, and for subjects of theses required in connection with the degrees of M.A., M.Sc., Ph.D. and D.Sc., application should be made to the professor.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY.

PROFESSOR:—A. B. MACALLUM.
ASSISTANT PROFESSOR:—GEORGE ERIC SIMPSON.
DEMONSTRATOR:—J. F. LOGAN.
LECTURERS ON PATHOLOGICAL CHEMISTRY:—E. H. MASON. I. M. RABINOVITCH.
ASSISTANT DEMONSTRATORS:—H. F. H. EBERTS. MARY C. CHILDS. A. B. ILLIEWITZ. G. J. STREAN.

Beginning with the Session 1924-25 the course in Biochemistry will be given entirely in the Third Year instead of being divided between the Second and Third Years as previously.

During the Session 1923-24 the course—three lectures and six hours of laboratory exercises per week—is for those students of the Third Year who have already taken the course in Biochemistry of the Second Year of the six years' curriculum and will be given in the second term.

This course will deal with (*a*) the origin, character, and the active properties of the various ferments of the digestive tract, (*b*) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs in the human body, (*c*) the intermediate and ultimate products of metabolism, and (*d*) the chemistry of the tissues and of blood, bile and urine.

In the laboratory course the exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

A course of two lectures and four hours of laboratory exercise per week on Pathological Chemistry will be given in the second term to students of the fourth year of the six years' curriculum. This will cover the metabolism of febrile conditions, deficiency diseases, diabetes mellitus, nephritis, hepatic disorders, etc. The laboratory work will include the more exact methods of the determination of the constitutents of the blood and urine in health and disease. This course must be taken by all candidates for the Sutherland Medal.

Text-books:—Cole: Practical Physiological Chemistry.
Halliburton. Essentials of Chemical Physiology.
Plimmer: Practical Organic and Biochemistry.
Folin: Laboratory Manual of Biological Chemistry.
Hawk: Practical Physiological Chemistry.
Reference:—Robertson: Principles of Biochemistry.
Von Furth: Chemistry of Metabolism.
Bayliss: Principles of General Physiology.

PATHOLOGY AND BACTERIOLOGY.

STRATHCONA PROFESSOR:—HORST OETREL.
ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.
ASSOCIATE PROFESSOR OF PARASITOLOGY:—J. L. TODD.
ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUERE.

LECTURERS.—M. E. ABBOTT. C. T. CROWDY. J. W. SCOTT.
LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—T. R. WAUGH.

ASSISTANTS AND DEMONSTRATORS:—M. H. DAWSON. H. LeR. DAWSON. G. F. SKINNER. A. L. WILKIE. H. T. C. WHITLEY. L. C. REID.

PATHOLOGY.

1. General pathology and pathological anatomy, including infection and immunity: lectures and experimental demonstrations twice weekly throughout the session. Professor Oertel.

2. Laboratory course in general pathological anatomy and histology, two hours twice weekly, winter term. Professor Oertel, and Demonstrators.

3. Special pathology and pathological anatomy: lectures on the diseases of the more important systems and organs, followed by demonstrations, two hours once weekly, throughout the session. Includes the circulatory, hæmatopoietic, respiratory, digestive and renal systems. Professor Oertel and Demonstrators.

4. Practical Pathology: Demonstration and discussion of anatomical and bacteriological material in relation to clinical cases. Professor Rhea.

5. Demonstrations upon fresh autopsy material, once weekly. Professor Rhea, Dr. Crowdy, and Dr. Scott.

6. Performance of autopsies. Professor Oertel, Professor Rhea, Dr. Crowdy, Dr. Scott and Demonstrators.

7. Clinical pathological conferences at the Royal Victoria and Montreal General Hospitals, once weekly. Clinical and Pathological Staffs.

8. Selected chapters of special pathology with demonstrations; includes the nervous system, bones, joints, glands of internal secretion. Dr. Abbott and Dr. Crowdy.

9. Pathological research (open to graduates) by appointment. Professor Oertel and Professor Rhea.

Reference books:—Oertel, General Pathology; Virchow, Cellular Pathology; Cohnheim, Lectures on Pathology; Ziegler, Specielle Pathologie; Delafield and Prudden, Text-book of Pathology; Wells, Chemical Pathology.

Bacteriology.

1. Laboratory course in bacteriology, with explanatory lectures and demonstrations, autumn term. Professor Bruère, Demonstrators and Assistant Demonstrators.

2. Bacteriological and immunological research (open to graduates). Professor Oertel and Professor Bruère, by appointment.

Reference books:—His and Zinsser, Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

Parasitology.

Professor John L. Todd.

The main feature of this course is a series of twenty-five lectures and demonstrations, illustrated by lantern slides, and by specimens both gross and microscopical. Demonstrations of special methods used in the study of animal parasites are given in the laboratory.

Text-books:—Manson, Tropical Diseases (London, 7th Edition, 1921); Stitt, Practical Bacteriology, Blood Work and Animal Parasitology (Philadelphia, 6th Edition with Clinical Notes, 1921); Chalmers and Castellani, Manual of Tropical Medicine (London, 3rd Edition, 1919).

Works of Reference:—Byam, The Practice of Medicine in the Tropics (London, 1921).

GRADUATE COURSES FOR HIGHER DEGREES.

See Announcement of the Faculty of Graduate Studies and Research.

PHARMACOLOGY.

PROFESSOR:—
ASSOCIATE PROFESSOR:—R. L. STEHLE.
LECTURER IN CLINICAL PHARMACOLOGY:—D. S. LEWIS.
LECTURER:—WESLEY BOURNE.
DEMONSTRATORS:—C. C. STEWART. E. LOZINSKY. G. C. ANDERSON.

Third Year.

Materia Medica and Pharmacy: Demonstrations by the Professor of Pharmacy.

Fourth Year.

Chemistry of drugs and poisons: Laboratory course with supplementary lectures and demonstrations. Chemistry of alkaloids, glucosides and special drugs. Assistant Professor Stehle and Assistants.

Pharmacology: Laboratory course correlated with systematic lectures, demonstrations and conferences. Action of drugs and poisons upon normal and abnormal organisms. Includes: general principles (absorption, excretion, mode of action, tolerance, hypersensitivity, synergism, antagonism and relation of chemical structure to action); etiotropic action (antiseptics and specific chemotherapy); organotropic action (effects of drugs upon nervous, digestive, circulatory systems, etc., individual organs and internal metabolic processes). Assistant Professor Stehle, Drs. Mason, Bourne, Lewis and Moyse.

Fifth Year.

Clinical Pharmacology: Systematic lecture course on principles of therapeutics and the applications of drugs in internal medicine, surgery gynæcology and the specialties. Dr. Lewis and Bourne.

Sixth Year.

Practical Clinical Pharmacology: In co-operation with the Department of Medicine. Ward classes and clinics in both the Montreal General and the Royal Victoria Hospitals. Dr. Lewis and Dr.....

Anesthesia: Practical instruction in Anesthesia is given by Dr. Hepburn at the Montreal General and Dr. Howell at the Royal Victoria Hospitals.

Physical Therapy: Practical instruction by Dr. Harvey and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

Research: The department is located on the fifth floor of the new Biological Building and is especially equipped for investigation. Suitably prepared persons may undertake research at any time throughout the year.

HIGHER DEGREES.

Advanced courses leading to the degrees of M.Sc., Ph.D. or B.Sc. Med. are arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies and Research.

Text-books:—Cushny, "Useful Drugs."

Reference:—Sollman, Edmunds & Cushny, Bastedo, Jackson, McGuigan, B.P., U.S.P., "New and Nonofficial Remedies."

HYGIENE.

STRATHCONA PROFESSOR:—T. A. STARKEY.

ASSISTANT PROFESSORS:—R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

Industrial Hygiene forms part of this instruction, and deals with the study of occupational diseases; insanitary conditions in factories, workshops and other industrial establishments; and any other environment connected with the work which may be likely to undermine the health of the work people; work and fatigue; general measures designed to preserve the health of the workmen, and to keep them fit and efficient, both inside and outside the works.

School hygiene forms another part of this course—bringing out the chief points connected with the scope of work and nature of duties of the School Medical Officer, a post so frequently undertaken nowadays by the general practitioner.

Numerous visits of inspection are made by the class to various places and establishments, chosen to illustrate the general principles of sanitation:—Housing and industrial establishments; schools; water and sewage works; refuse destruction; places dealing with food supplies, especially meats and milk; and welfare centres.

The Museum is completely equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles See description of Museum, page 69.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters and with every facility for the prosecution of research work.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau, Park.

See pages 61 to 64 for advanced and special courses, and qualifications in Hygiene: suitable for Medical Officers of Health, and others engaged in any branch of Public Health Work.

Lectures are also given by the Department in the Departments of Architecture and Civil Engineering and in the Schools for Graduate Nurses, Social Workers and Physical Education.

MEDICAL JURISPRUDENCE.

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Text-books:—Glaister; Buchanan; Mann. *Reference*:—Peterson and Haines; Taylor.

MEDICINE AND CLINICAL MEDICINE.

PROFESSORS.—{F. G. FINLEY. C. F. MARTIN.

ASSOCIATE PROFESSOR:—W. F. HAMILTON.

ASSISTANT PROFESSOR:—A. H. GORDON.

LECTURERS:—{C. A. PETERS, H. B. CUSHING, A. A. ROBERTSON, J. KAUFMANN, E. H. MASON, D. S. LEWIS, C. F. WYLDE, C. F. MOFFATT.

LECTURER IN IMMUNOLOGY:—FRASER B. GURD.

LECTURERS IN PHYSIO-THERAPY:—{F. W. HARVEY. NORMAN BROWN.

DEMONSTRATORS:—J. G. BROWNE, D. W. MCKECHNIE, R. H. M. HARDISTY, D. G. CAMPBELL, A. H. MACCORDICK, E. E. ROBBINS, C. C. BIRCHARD, J. L. D. MASON, D. MACCALLUM, C. R. BOURNE, I. RABINOVITCH, E. V. MURPHY, A. T. HENDERSON, T. A. MALLOCH.

ASSISTANT DEMONSTRATORS:—D. L. MENDEL. C. R. JOYCE. J. J. WALKER. J. C. WICKHAM. W. DE M. SCRIVER. KEITH GORDON.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

Every facility is afforded for this purpose, and students are required to report upon ten patients, placed under their direct care, to a conclusion.

In connection with the laboratory and ward work, minor problems are from time to time presented in order to encourage students in research. This will be further stimulated through closer correlation with the pre-clinical years.

Fourth Year:—The student is taught the methods of clinical medicine by means of demonstrations to the class as a whole, as well as by direct practical work in groups. Students will, from time to time, be allowed the privileges of the wards and the outdoor department for this purpose, and will thus be brought in contact with patients early in their career. This course will last throughout most of the session. In the winter term of this year a course of lectures on the general principles of Medicine will be given.

Fifth Year (Five Years Course):—The instruction in this year will consist of two theatre clinics a week, and work in the wards. Students will be made responsible for the reporting and observation of patients in the wards, and will be expected to demonstrate these cases to the groups who are receiving instruction. A laboratory period of instruction will be given each week in connection with the clinical work, and the tests already learned in the pre-clinical and pre-medical years will now be applied in practice. Students in this year will also be required to attend the outdoor department.

Final Year:—This year is devoted entirely to hospital work, each student acting in the capacity of assistant resident. The number of lectures will be minimal. The student will be made directly responsible for reports on the patients in the wards, for the diaries of the cases, and will be required to make special examinations in company with the Chief in whatever department this is required. He will also attend the outdoor under supervision, and will further be expected to assist at all autopsies concerned with his patients, and will be required to prepare the material for the clinical pathological conference which is held once weekly. Clinics are likewise given on diseases of children, upon neurological cases, infectious diseases, and radiography in the departments concerned.

Text-books:—Osler's Practice; Ander's Practice; Steven's Practice; Rainey and Hutchison; Flint's Auscultation and Percussion; Hewlett's Clinical Pathology; DaCosta, Handbook of Medical Treatment, Forcheimer's Medical Treatment; Butler's Diagnosis; Martinet's Diagnostic Methods.

Reference:—Albutt's System; Osler and McCrae; Oxford Loose Leaf; Nelson's Loose Leaf; Barker's Monographic Medicine; Wood's Reference Handbook of Medical Sciences; Tilney and Riley, Diseases of the Nervous System; Lippincott's New Medical Dictionary; Cattell.

APPLIED IMMUNOLOGY.

Dr. Fraser B. Gurd and Associates.

The purpose of this course is to co-ordinate the work in Pathology and Bacteriology (as given in the Third Year) with the clinical manifestations of diseases due to bacteria, to demonstrate the means at the disposal of the body for the prevention and cure of infection, and the clinical procedures, including the employment of vaccines and sera, which are of value in prophylaxis and treatment.

Fifth Year (Autumn Term):—A course of didactic lectures (with demonstrations).

Sixth Year:—A course of six clinical demonstrations to groups.

Clinical Microscopy.

This course, which is given during the winter term of the Fourth Year, is essentially a practical one given in the Pathological Laboratory under the department of Clinical Medicine. The classes are held twice weekly, each demonstration lasting two hours.

Students are given instruction in the microscopic appearance of various excretions and secretions of the body; films are prepared from urinary sediments, blood, pus, sputum, fæces and gastric contents; as also of fluids obtained by puncture. Complete instruction is given in examination of the blood, on the use of instruments and differential staining methods; pathogenic bacteria and the commoner animal parasites of the body and skin are also shown. Finally, specimens of microscopic interest which appear in Hospital from time to time.

NEUROLOGY.

CLINICAL PROFESSOR:—C. K. RUSSEL.

LECTURER:—F. H. MACKAY.

DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the nervous system is given in the earlier years of study.

Lectures and clinical demonstrations on neurology are given in the Fifth and Sixth Years of the course in the wards and theatre.

In the Final Year groups of students are taken into the wards and out-door departments of the General Hospitals. The Psychiatric Clinic at the Royal Victoria Hospital deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

A series of demonstrations on neuro-pathology is given in the laboratory.

PSYCHIATRY.

CLINICAL PROFESSOR:—C. A. PORTEOUS

ASSOCIATE PROFESSOR OF PSYCHOLOGY:—WILLIAM D. TAIT.

LECTURER:—G. MUNDIE.

DEMONSTRATORS:—H. A. SIMS. A. G. MORPHY.

Psychology.

A short course of lectures is given on General and Abnormal Psychology with special reference to the latter. Discussion will include the psychological principles underlying psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the psychology of insanity.

Psychiatry.

The course in psychiatry comprises a series of lec tures at the University with demonstrations at the Protestant Hospital for the Insane, Verdun, and at the General Hospitals. Clinical instruction is given to groups of senior students, who are required to examine a number of cases, making written reports thereon, followed by discussion.

In the outdoor departments of the hospitals where a psychiatric clinic is held once a week, the students are taught the various methods of testing psychopathic cases, and making detailed diagnoses.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Clinical Psychiatry," Diefendorf; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt.

PEDIATRICS.

LECTURERS:—F. M. FRY. H. B. CUSHING.

DEMONSTRATORS:—C. F. WYLDE. W. E. ENRIGHT. GRAHAM ROSS. L. LINDSAY. A. B. CHANDLER.

ASSISTANT DEMONSTRATORS:—H. P. WRIGHT. A. GOLDBLOOM. R. R. STRUTHERS.

A didactic course on the diseases of infancy and childhood, including the feeding of infants, is given during the session to students of the Fifth Year. Clinical and didactic lectures are given on diseases of the new-born at the Montreal Maternity Hospital. In the Montreal General and Royal Victoria Hospitals weekly clinical lectures and ward demonstrations on diseases of childhood will be given to students of the Final Year, and groups of students in rotation will be assigned work in connection with the out-patient children's departments of both hospitals. The new Foundling and Baby Hospital, which has recently been opened, with a capacity of 100 beds, will be utilized during the session for a series of demonstrations in infant feeding.

A voluntary course is given during the summer months, at the Children's Memorial Hospital, to a selected number of students who have successfully passed their Fourth Year.

Text-books:—Holt; Rachford; Koplik; Ruhrah; Chapin and Koplik; Dennett.

DERMATOLOGY.

CLINICAL PROFESSOR:—G. G. CAMPBELL.

LECTURER:—W. P. BURNETT.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and out-door clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett, at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, Campbell, Shamberg, Sequira, Sutton.

HISTORY OF MEDICINE.

PROFESSOR.—SIR ANDREW MACPHAIL.

A course of twelve lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY AND CLINICAL SURGERY.

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD.

PROFESSOR———————

ASSISTANT PROFESSORS:—A. E. GARROW, A. T. BAZIN,
E. M. EBERTS.

LECTURERS.—{W. L. BARLOW, C. B. KEENAN,
F. A. C. SCRIMGER, F. J. TEES, C. K. P. HENRY.

LECTURERS IN ANÆSTHESIA.—W. B. HOWELL, W. G. HEPBURN.

DEMONSTRATORS:—A. R. PENNOYER, F. MCKENTY,
F. B. GURD, E. C. LEVINE,
GUY JOHNSON.

DEMONSTRATOR OF ANÆSTHESIA:—J. W. ARMSTRONG.

ASSISTANT DEMONSTRATORS:—ALBERT ROSS,
L. H. MCKIM, G. A. FLEET, A. STEWART.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

During the Fourth Year, students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their anatomy, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In the winter term of this year a course of ten lectures on the general principles of surgery will be given.

In the Fifth Year, students attend surgical clinics in the amphitheatre of the hospitals three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professorial rank teaches them in the wards and instructs them in groups.

The Final is the purely hospital year. There are three amphitheatre clinics in the hospitals, weekly. Group teaching is carried out in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history, prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found to obtain.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Fourth and Fifth Years.

Text-books:—Operative Surgery,—Binnie and Burghard; Surgery; A system of Surgery ,C. C. Choyce; Rose and Carless, Thomson and Miles, Keen's Surgery; Russell Howard; Ashurst; Da Costa; Emergency Surgery; —Sluss; Surgical Anatomy,—Treves and Keith; Davis' Applied Anatomy; Gask and Williams' Text-book of Surgery; Fitzwilliam's Pocket Surgery. The Treatment of Fractures, Scudder; The Principles and Practice of Surgery, Hanbold.

UROLOGY.

CLINICAL PROFESSORS:—F. S. PATCH. D. W. MACKENZIE.

DEMONSTRATORS:—R. E. POWELL. M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fifth Year they are given a course of fifteen lectures on the elements of the subject in the University, followed by fifteen clinics demonstrating typical cases in the Hospitals.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-book:—Keyes' Urology.

Collateral Reading:—Thompson Walker's Genito-Urinary Surgery; White and Martin's Genito-Urinary Surgery and Venereal Diseases.

ORTHOPÆDIC SURGERY.

CLINICAL PROFESSORS:—A. MACKENZIE FORBES. W. G. TURNER.

DEMONSTRATORS:—J. A. NUTTER. W. J. PATTERSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at each of these hospitals for four or five consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett Orthopedic Surgery.

OBSTETRICS.

PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY:—W. W. CHIPMAN.

ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:—J. R. GOODALL. H. C. BURGESS. J. W. DUNCAN. J. R. FRASER.

DEMONSTRATOR:—W. A. G. BAULD.

This course will embrace: (1) Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete sets of models illustrating the deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc.; (2) bedside instruction in the Montreal Maternity, including external palpation pelvimetry, the management and after-treatment of cases; (3) a complete course on obstetric operations with the Tarnier-Budin phantom; (4) the diseases of infancy; (5) a course of individual clinical instruction at the Montreal Maternity Hospital.

The course is carefully graded and instruction will be given separately to students of the different Years.

Particular attention is given to clinical instruction, and a clinical examination similar to that held in medicine and surgery forms an important part of the final examination.

A few lectures will be given on diseases of the new-born, supplemented by clinical demonstration and ward work. The lecturers and demonstrators will give special courses from time to time in the college and in the hospitals, and will take the students in groups for the purpose of demonstration, examination and review.

In the Fourth Year will be given the regular course of didactic lectures.

The Fifth and Sixth Years will be devoted mainly to practical and clinical work in the wards of the Montreal Maternity and in its externe service. Palpation on the living subject, theatre clinics, ward clinics, and individual instruction in the management of labour and the care of the puerperal patients will be the chief features of the course.

Text-books:—Whitridge Williams, Webster, Evans, De Lee, Berry Hart.

GYNÆCOLOGY.

PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY:—W. W. CHIPMAN.

CLINICAL PROFESSOR OF GYNÆCOLOGY:—F. A. L. LOCKHART.

LECTURERS:—DAVID PATRICK. H. M. LITTLE. H. C. BURGESS. J. R. FRASER.

DEMONSTRATORS:—W. A. G. BAULD. IVAN PATRICK.

The didactic course consists of about twenty-five lectures given twice weekly during the autumn session. The anatomy and physiology of the organs and parts concerned are first discussed. Then the various methods of examination are fully described, the necessary instruments exhibited, and their uses explained. The lectures are illustrated as fully as possible by drawings, morbid specimens and lantern slides.

Clinical teaching, including out-patient and bedside instruction, is given at both the Royal Victoria and Montreal General Hospitals by Professors Chipman and Lockhart, assisted by Drs. Patrick, Little and Burgess. A large amount of clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class and made the subjects of remarks. In addition to the ward-patients, each hospital conducts a large out-patient gynæcological clinic, to which advanced students are admitted in rotation, and instructed in digital and bi-manual examinations and in the use of instruments for diagnosis.

Particular attention is thus given to clinical instruction, and a clinical examination in gynæcology, similar to that held in medicine and surgery, forms part of the final examination.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY.

PROFESSOR:—W. G. M. BYERS.

CLINICAL PROFESSOR:—G. H. MATHEWSON.

LECTURERS:—F. T. TOOKE. S. H. MCKEE.

DEMONSTRATORS:—A. G. MCAULEY. J. A. MACMILLAN.

ASSISTANT DEMONSTRATORS:—J. ROSENBAUM. A. BRAMLEY-MOORE.

In the Final Year there is a didactic course of about ten lectures delivered at the University. The more unusual diseases of the eye are fully described, while the commoner diseases are merely touched on, the fuller consideration of the latter being reserved for the clinical lectures to be delivered in the Final Year. In addition, in the Fifth Year there is instruction in the anatomy of the eye, the methods of examination, and the use of the ophthalmoscope and the elements of refraction.

In the Final Year there is a regular bi-weekly course of clinical lectures at the Royal Victoria and Montreal General Hospitals.

The operative work in eye surgery is fully open to undergraduates on the day set apart for the purpose.

Text-books:—Parsons; May; De Schweinitz; Fuchs.

OTO-LARYNGOLOGY.

PROFESSOR:—H. S. BIRKETT.

LECTURER:—H. D. HAMILTON.

DEMONSTRATORS:—HAMILTON WHITE. J. T. ROGERS.

ASSISTANT DEMONSTRATORS:—D. H. BALLON. R. P. WRIGHT. G. E. HODGE.

The course of instruction in Oto-Laryngology is carried on in the recently constructed wards and out-patient department of both the Montreal General and the Royal Victoria Hospitals, where owing to the large clinics the students are afforded ample opportunity of receiving practical instruction in these subjects. Between these two hospitals there are about fifty beds set apart for this specialty.

The course is carried on only in the final year, and during the session the courses are conducted in small classes, so that personal supervision, which is so essential in this specialty, is accorded to each student.

The clinics are held twice a week in each hospital and continue throughout the session.

The course is based altogether upon the needs of such knowledge as a general practitioner should have regarding these special organs. The student is instructed in the methods of examining the nose, throat and ear; of applying the various tests of hearing; and shown only such cases as he is likely to meet in general practice. The course is completed by a review of lectures upon the more common diseases of nose, throat and ear.

The anatomy of the parts concerned is studied in the student's third year, and reviewed from the surgical aspect in the Fifth Year. A series of dissected preparations is available for post-graduate study in the department of anatomy upon application.

From eight to ten didactic lectures are given only upon the more common conditions met with in these organs in general practice.

At the end of the course an examination is held, which is written and clinical.

Two positions as Resident House-Surgeons in the Department of Oto-Laryngology in both hospitals are open to the members of the graduating class.

Text-books:—Albert Gray; St. Clair Thompson; Porter; H. Tilley; Kerrison; Phillips.

CLINICAL INSTRUCTION.

In the Fourth Year instruction is given to groups in the methods of physical diagnosis and in minor surgery.

During the Fifth Year (five years' course), three medical and three surgical theatre clinics are given weekly in the Montreal General and Royal Victoria Hospitals. In addition, on four days of the week, instruction is given to groups at the bedside, in the laboratories, and in the medical and surgical out-patient departments. Out-patient clinics are given to groups of students once weekly on ophthalmology and oto-laryngology during the last trimester.

The Final Year is devoted almost exclusively to clinical work. There are three clinics weekly in medicine, three in surgery, two in obstetrics and two in gynæcology, these being supplemented by group teaching in the wards and by instruction in the clinical laboratories. In addition, groups receive instruction in ophthalmology, oto-laryngology, pediatrics, dermatology, gynæcology, neurology and genito-urinary surgery in the out-patient department of both hospitals. At the Montreal Maternity four ward classes weekly in obstetrics are given.

CLINICAL CLERKS in the medical and surgical wards of both hospitals are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted to him. Students are required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery, and are required to have reported at least ten cases in medicine and ten in surgery. The instruction obtained as clinical clerk is found to be of the greatest possible advantage to students, as affording a true *practical* training for his future professional life.

DRESSERS are also appointed to the out-door departments. For these appointments, application is to be made to the assistant surgeons, or to the resident surgeon in charge of the out-door department.

The large number of patients affected with diseases of the eye and of the ear, nose and throat, now attending the special clinics at both hospitals, afford ample opportunity to students to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the various instruments used in examining them, and it is hoped that every student will thus seek to gain a practical knowledge of these important branches in medicine and surgery. Operations are performed on the eye and on the ear and nose and throat after the out-door patients have been seen, and students are invited to attend the same, and as far as practicable to keep such cases under observation so long as they remain in the hospital.

There are also special departments in both hospitals for gynæcology, pediatrics, neurology, orthopædics, dermatology and genito-urinary diseases, directed by specialists in these branches. Students are thus enabled to acquire technical knowledge under skilled direction. The plan of teaching practical gynæcology, which has met with marked success, has been the limitation of the number of students attending each clinic to three.

Clinical instruction is given in the wards of the Protestant Hospital for the Insane at Verdun.

The clinical teaching in infectious diseases is given in the wards of the Alexandra Hospital for Contagious Diseases.

HOSPITALS.

The City of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which medical students of McGill University receive clinical instruction are: (1) The Montreal General Hospital; (2) The Royal Victoria Hospital; (3) The Montreal Maternity Hospital; (4) The Alexandra Hospital for Contagious Diseases; (5) The Protestant Hospital for the Insane; (6) The Children's Memorial Hospital; (7) Montreal Foundling and Baby Hospital.

PHYSICAL EDUCATION.

DIRECTOR:—ARTHUR S. LAMB, B.P.E., M.D.
UNIVERSITY MEDICAL OFFICER:—F. W. HARVEY, B.A., M.D.

All students on entering the University, are required to pass a physical examination. They are then divided, according to the result of this examination, into five classes:—

(*a*) Fit for all forms of physical exercise.
(*b*) Fit for a limited number of forms.
(*c*) Fit for gymnasium work only.
(*d*) Fit for remedial gymnastics or temporarily unfit.
(*e*) Unfit for any form of physical exercise.

At the time of his medical examination each student is required to fill in a card indicating his choice of physical activity, which he will be allowed to follow, unless debarred for medical reasons, under which circumstances he will be given a further choice among other recognized but less strenuous forms of exercise or will do gymnasium work as the case may require.

Physical education is compulsory for all students of the first two years. Two periods per week will be devoted to it.

Unexcused absences up to one-eighth of the required number of periods shall be allowed. Unexcused absences exceeding one-eighth, but not exceeding one-fourth, may be allowed if at the end of the session the student passes a special examination and satisfies the Director that he has made sufficient progress. Unexcused absences exceeding one-fourth shall disqualify a student. Such students shall be required to take extra gymnasium class work to the satisfaction of the Director, a supplemental course being given in the month of September for this purpose.

At regular intervals during each session and also at the end of each session, the Director of Physical Education shall furnish the Dean of each Faculty with a list of students who have failed to meet the attendance requirements as laid down in the ordinary curriculum, or who have proved unsatisfactory in other respects, and such cases shall be dealt with by the respective Faculties.

No student in default shall be allowed to proceed to the next year of his course unless for special reasons exemption should be granted on the recommendation of his Faculty and approved by the Committee on Physical Education.

Not less than one month before the conferring of degrees in each session, the Director shall furnish to the Registrar of the University, for transmission to Corporation and the Faculties concerned, a list of all students, being candidates for degrees at the forthcoming Convocation, who have failed to satisfy the requirements of the Committee on Physical Education, and no Diploma for a degree shall be issued to any such candidate unless by the express direction of Corporation.

GRADUATE AND ADVANCED COURSES.

1. LABORATORY COURSES.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical Departments of both the Royal Victoria and Montreal General Hospitals, and also in connection with the college laboratories for physiology, chemistry, pathology and pharmacology.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving notice, stating the course desired and the time at their disposal.

All the regular clinics and demonstrations of both hospitals will be open to such students on the same conditions as to undergraduates in Medicine of this University.

Further details regarding courses, fees, etc., may be obtained on application to the Dean of the Medical Faculty.

2. HYGIENE AND PUBLIC HEALTH.

1. DIPLOMA OF PUBLIC HEALTH (D.P.H.).

Specially designed as a thorough training for those Medical Men undertaking the important duties of Medical Officer of Health.

Every M.O.H. ought to possess this qualification.

Candidates undertaking this course must have possessed a degree in medicine, or other qualifications for practice, for at least twelve months before they are competent to receive the diploma. The courses prescribed are as follows:—

1. A course of lectures dealing in a comprehensive manner with the general principles of hygiene, preventive medicine and sanitation.

2. Bacteriology—a full practical course in General Bacteriology, special attention being given to pathogenic organisms and parasites; general principles of bacteriological analysis, especially in relation to public health matters.

3. Sanitary Chemistry:—(a) Examination of air and air vitiated by respiration, products of combustion, factory and other trade conditions; water and water supplies in general, detection of poisons associated with water supplies; all the common kinds of foods and beverages; sewage and sewage effluents; articles of dress, house decorations, etc.; chemical investigations connected with certain trades and occupations.

(b) Physics:—Principles of statics, pneumatics, hydraulics, light and photometry, heat and thermometry and the principles of hygrometry, only in their application to hygiene.

4. Practical out-door sanitary work:—an extended course under a Medical officer of Health, or other authority, affording facilities for instruction in sanitation relating to housing: factories, workshops and industrial establishments of all kinds: schools: water-works: sewage plants: refuse destruction: abattoirs: dairies and milk stations: places where food is handled or stored: and various welfare centres.

5. Sanitary Legislation and Administration:—Statutes and bye laws relating to public health: the powers of sanitary authorities: administration of the office of a Medical officer of Health.

6. Vital Statistics:—Calculation and tabulation of returns of births, marriages, deaths and diseases.

7. Meteorology and climatology, also the geographical and topographical distribution of diseases.

Candidates for this Diploma may claim exemption from attendance in any of the subjects outlined in the scheme of studies on presentation of proof that they have received already equivalent instruction in such subjects.

Except in special instances where exemptions may have been granted, the length of the course is eight months—from the beginning of October to the end of May.

The examination for the Diploma includes the following subjects:—Examination of clinical cases at an infectious hospital; the drawing up of outlines for annual and other reports of officers of health; a report upon the sanitary conditions of some actual locality; demonstration of the consideration and use of meteorological, hygienic and sanitary apparatus; microscopical examination of specimens submitted; description of specimens of human and other diseased tissues; the inspection of carcasses of animals to be used for food; chemical and bacteriological examinations, the scope of which is indicated in the paragraphs relating to instruction on these headings.

The above examination is written, oral and practical, and extends over a period of four or five days.

The fee for the course and the Diploma is $100.00.

2. IN INDUSTRIAL HYGIENE.

This course is intended to meet the requirements of those graduates and students who wish to make a complete study of all conditions relating to industrial hygiene.

It comprises occupational diseases; lighting, heating, ventilation, and other sanitary conditions in factories, workshops, and all industrial establishments; effects upon workpeople of environment and conditions relating to particular trades and occupations; offensive trades; investigation of causes tending to undermine the health of workers, or to lessen the output

of work; vital and other statistics relating to industries; principles of preventive measures proved to be the most serviceable in combating these conditions.

Excellent laboratory facilities both for general work, and for any special investigation. Splendid opportunities exist for inspection of industrial establishments both in and around the city.

3. IN SCHOOL HYGIENE.

This course is intended for those medical men wishing to equip themselves for the important duties of School Medical Officer.

Some of the more important studies are:—sanitation of school buildings; school equipment; playgrounds; hygiene of scholars and their inspection; spread of infectious diseases and all preventive measures; open-air schools; and administration.

Provision is made in the new laboratories for carrying out any investigation on any particular subject relating to school hygiene.

Splendid opportunities exist for the practical inspection of schools; and also facilities for becoming acquainted with the routine work of a School Medical Officer.

4 COURSE FOR MEDICAL INSPECTORS OF SCHOOLS.

The course of instruction is designed to give the Medical Officer a thorough grounding in all the conditions relating to the child during the ordinary term of its school life. Not only are the common diseases, ailments, or defects of school children dealt with in a very comprehensive fashion, but, what is equally important, a thorough knowledge of what constitutes a normal child. To this end, therefore, instruction is first directed to the essential points relating to the normal child of school age, as revealed by a complete physical examination and by certain tests of a physiological character.

At entrance to school life it is very important for the Medical Officer to determine the physical and mental fitness of a child to undergo the regular school training.

During the latter phases of school life the progress and development of the school child must be watched to see that they take place on healthy lines. It is necessary, therefore, for the Medical Officer to be thoroughly alive to all these conditions or surroundings, especially in the school, which tend in any way to interfere with, or retard, that development: and to this end a knowledge of the hygiene of the school child and the ability to detect the earliest signs of defect or disease are very essential.

Special instruction is given, therefore, in the following subjects:—

General Medicine, relating more particularly to child life; methods for making and recording complete physical examinations of the child;

the more common diseases of childhood affecting the cardio-vascular, lymphatic, pulmonary and nervous systems.

Mental Diseases and Deficiencies.

The study of feeding and nutrition relating to school life.

Orthopedics and school life.

Communicable diseases:—A series of demonstrations at the Alexandra Hospital for infectious diseases, or any other institution, when cases present themselves—chiefly on early diagnostic signs of the various diseases and residual manifestations during convalescence.

Skin diseases:—A course covering the most frequently met with skin conditions, more especially in regard to those which are communicable from one child to another; the prophylaxis, the diagnosis, and the treatment in regard to each.

Oto-Laryngology:—Practical demonstrations will be given, and the subject dealt with under the following headings:—

(*a*) Brief review of the anatomy of the eye, nose, throat and ear.

(*b*) Methods of testing hearing.

(*c*) Examinations of the nose, throat and ear. This will include demonstrations of the normal conditions of these parts, and also of pathological conditions as exemplified by the patients attending clinics. Members of this class must provide themselves with the following instruments:—

(1) Head mirror with brow band attached.
(2) One set aural specula.
(3) Tongue depressor.
(4) Nasal speculum.
(5) Medium sized rhinoscopic mirror.
(6) Laryngeal mirror.

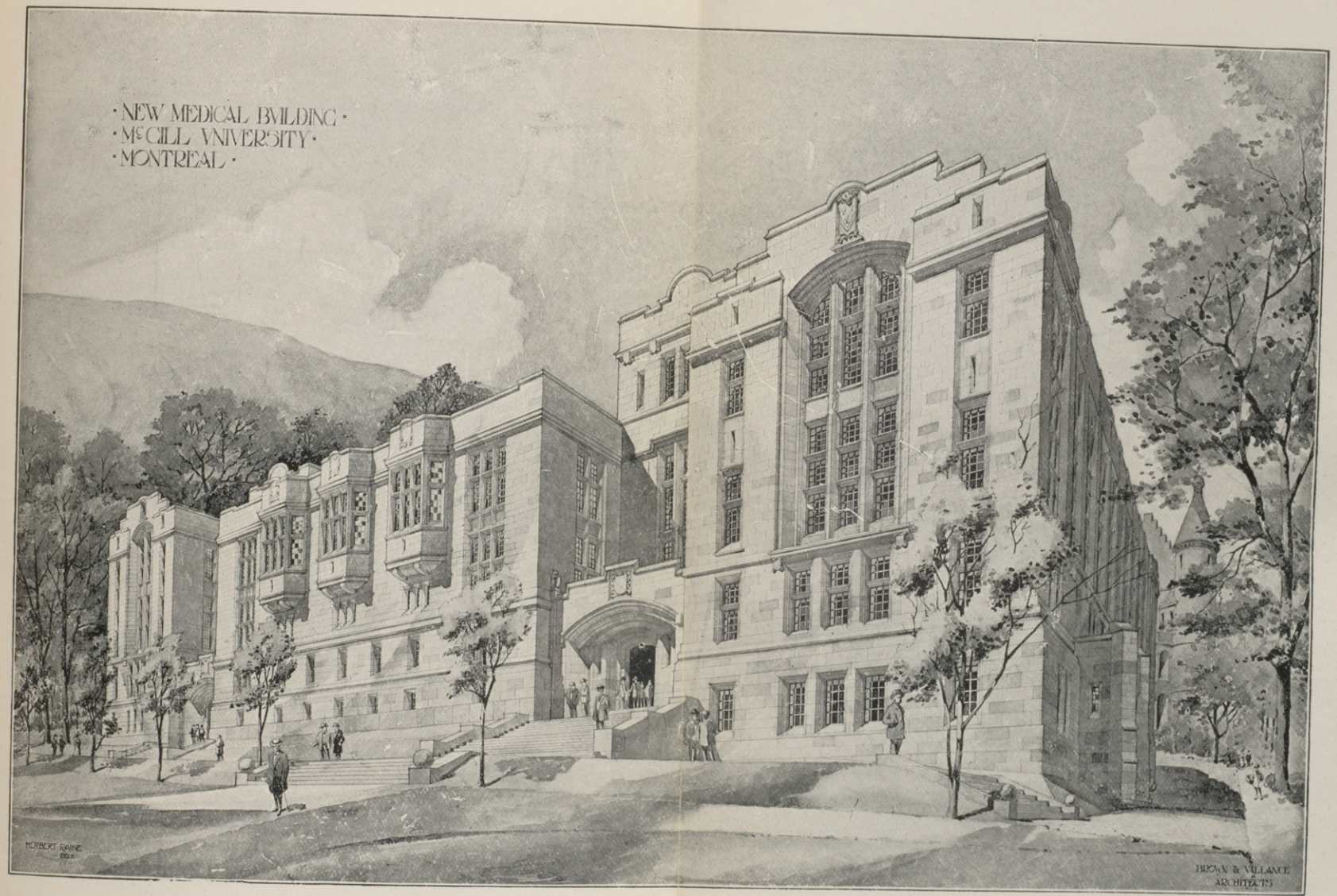
Ophthalmology:—The work will consist, in the first place, of a brief review of the anatomy of the eye, and the physiology of vision. Following this, instruction will be given in the estimation of visual acuity, the recognition of asthenopia and errors of refraction, and the diagnosis of the commoner, more menacing and infectious diseases of the eyes occurring in school children.

Regional Anatomy:—A course embodying the surface markings of the chief organs in the chest and abdomen; the sites of superficial lymph nodes and the areas drained by them, etc., on the living subject.

Hygiene and Sanitation relating to schools (for further information see page 63).

Relationship of School Medical Officer to Public Health Authorities.

Administration:—Visits will be paid to various schools where the work of the Medical Inspection is being carried out, so that not only can the student see how it is done, but also learn what office equipment is required.



New Medical Building—Front Elevation from Campus.

BUILDINGS.

THE MEDICAL BUILDING.

This building, erected in 1911 at a cost of over $600,000, stands at the corner of Pine Avenue and University Street. Of the central part of the building, the greater portion is set aside for the accommodation of the library, the whole of the front of the second and third floors and of the ground floor being so used. On the third floor is a large students' reading room, 76 x 24 feet, exceptionally well lighted and capable of accommodating 100 readers. On this floor also is the staff journal room and the private offices of the librarian. The second floor is occupied by the stack room, with accommodation for sixty thousand volumes, also by individual research and reading rooms. A portion of the ground floor is set aside for storage. Besides the library, the central portion of the building contains also three lecture rooms, the private museum and offices of the professor of anatomy and administration office, research and preparation rooms of the museum staffs. To the rear of the central building is the museum, probably the most complete structure of its kind in connection with a medical school on this continent. It is built in the form of a cross, three storeys high, splendidly lighted by ample window space on three sides and by a large central light-well. The anatomical collections are placed on the third floor, while the first and second floors are devoted to pathology. The east wing gives accommodation for the Departments of Anatomy, Histology and Embryology, Parasitology, the Faculty of Dentistry, the Faculty rooms and administration offices, the mortuary and preparation room for dissecting material, as well as ample space for students' lockers and lavatories, and a large well-lighted students' reading and smoking room. On the ground floor of this wing will be found the mortuary, in which there is provision for the storage of 80 subjects, and leading from this is the preparation room. On this floor also is the large locker room, containing 400 steel lockers, the students' lavatory and the students' reading and smoking room, the latter being provided with newspapers and magazines and being under the control of the students themselves. The west wing contains a large assembly hall. The remaining space is occupied by the Departments of Pharmacy and Hygiene.

THE BIOLOGICAL BUILDING.

The Biological Building, completed in 1922, was erected on the site of the original Medical Building, which was parly destroyed by fire in 1907. The new building, with the remaining part of the original Medical Build-

ing, constitutes a single system which will be devoted to teaching and research in zoology, botany and general physiology, biochemistry, animal and human physiology, and pharmacology. Each of these departments will occupy a single floor—botany being on the first floor, and the other departments on the upper floors in ascending order.

The building is distinguished by commodious laboratories occupying the south end—each being large enough to accommodate comfortably 96 students. The building is fully equipped in a thoroughly modern way, and will afford every comfort and facility for work in the departments mentioned. The total length of the building is 184 feet. The inside dimensions of the general laboratories at the south end are 30 x 80. The Department of Botany is also provided with a laboratory for plant physiology with three glass houses, each 18 x 60, the purpose of which is in part to provide living material for the work in general biology and general physiology. These buildings stand on the terrace immediately to the north of the Biological Building. There is also a small conservatory, constructed as part of the Biological Building, and adjoining the botanical laboratory. This will serve for demonstration materials and experiments for large classes.

The quarters provided for the Department of Physiology include the fourth floor of the new building and the upper floor of the old building, the two suites of rooms forming one continuous department practically on the same level. The old quarters, containing the large teaching laboratories, have been assigned almost exclusively for the instruction of students, the new quarters providing, in the main, accommodation for research.

The two main teaching laboratories, situated on the upper floor, are each lighted from roof and side and accommodate, in each case, ninety-six students. One of these, for the junior class, has long tables provided with separate motors and shafting for the recording drums. This room is fitted with display cases for physiological instruments and also contains a series of demonstration microscopes. The senior practical room, designed for mammalia work, has sixteen fixed tables arranged in parallel rows (units) of four, each unit-group of four being set out at the same time with the same apparatus. All the tables are fitted with gas, with water-supply and with various electric leads, while units of four are, according to circumstances, provided with separately motor-driven, long-paper kymographs, with air-supply for artificial respiration, with hot water at controlled temperature for perfusion, etc. In close proximity to the two practical rooms is a demonstration theatre, employed for instruction at the commencement of practical work or independent demonstration, with an adjoining dark room of ample size for optical and other experiments.

On the top floor of the same building are also the workshop, class preparation and store rooms, drum smoking and varnishing rooms, lavatories and some research rooms.

As before mentioned the research section occupies one floor of the new edifice. It includes a class room for advanced practical instruction, two large research rooms for staff and for other research workers, a histology room (which includes a dark room), the professor's office and private research room, library, the associate professor's office and private research room, store room for instruments, balance, chemical and gas analysis rooms, string-galvanometer room and animal quarters, including hospital, operating theatre, and sterilizing rooms.

The frog and turtle tanks are in the basement. A separate two-storey building, in close proximity to the department, gives accommodation for mammals.

THE PATHOLOGICAL INSTITUTE.

The Pathological Institute, which will house the Departments of Pathology, Bacteriology and Medical Jurisprudence, will be ready for occupation by the Session 1923-24. This building, over 200 feet long and from 60 to 90 feet wide, faces the Royal Victoria Hospital, with which it is connected by a tunnel. It is of steel and stone construction in harmony with the architecture of the Royal Victoria Hospital and consists of a high basement containing mortuary for twelve bodies, shops, lounge rooms, offices, and machinery rooms. The first floor is given over to Pathology and Medical Jurisprudence (autopsy theatre, lecture room, museum, demonstration rooms, several small laboratories, library and photography.)

The second floor will have the chemical, histological, experimental, animal and other research laboratories. The third floor is set apart for students' and research laboratories in Bacteriology. With the main building is connected by an archway a small cottage living quarters for the technical help and for animal rooms. The building contains throughout all floors a refrigerating system (ammonia plant), hot and cold water, live steam and air exhausts, and a special forced ventilating system. The large students' bacteriology laboratory, accommodating 120 students, is built on a rising tier system of student benches, and the whole northeast wall is practically of thick glass.

MUSEUMS.

The Faculty has during recent years devoted special attention to the development of its museums in the several departments in which objective teaching is of special value in the education of the student.

Through the benefaction of the late Lord Strathcona, a splendid new Museum has been erected which is undoubtedly the finest structure of its kind in America. The Museum projects from the north-western side of the new Medical Building, of which it forms a central feature, and faces the Royal Victoria Hospital. It is in the form of a rectangular cross and is in three stories, of which the upper contains the anatomical collections, while the two lower floors are devoted to the Museum of Pathology.

MUSEUM OF PATHOLOGY.

DIRECTOR:—PROFESSOR HORST OERTEL.
CURATOR:—MAUDE E. ABBOTT.
ASSISTANT CURATOR:—W. W. BEATTIE.
OSTEOLOGIST AND PREPARATOR:—MR. E. L. JUDAH.
SHOP ASSISTANT:—J. GIROUX.

The Pathological Museum of the University contains to date (May 1st, 1922) approximately 7,440 specimens, of which some 3,540 are mounted and catalogued on the Museum shelves, and the balance are in a carefully labelled and classified storage, where they are readily available for teaching, and from which they are constantly being drawn and added to the display collection on the shelves of the Museum proper. A descriptive catalogue is in process of preparation. The Museum includes the pathological collection of the Royal Victoria Hospital, which consists of some 240 specimens preserved in colours, mounted and catalogued. Some 110 models, of microscopic slides and charts for pathological and clinical teaching, are filed in the Museum.

MUSEUM OF ANATOMY.

DIRECTOR:—PROF. S. E. WHITNALL.

The Anatomical Museum is designed primarily as a teaching museum to be used in conjunction with the didactic and practical instruction given in the Department of Anatomy. It now contains several thousand preparations and models arranged to illustrate general embryology· human embryology and organogenesis; the theory of human evolution; the prehistoric races of mankind; physical anthropology; comparative osteology; general comparative anatomy and the details of human structure, regional, systematic and topographical.

In addition to the material which is exhibited in the museum cases several hundred wet preparations are kept in storage and are used as teaching specimens in the class and dissecting rooms.

Special collections illustrating the anatomy of regions and organs have been formed and are being continually augmented. These are available not only for undergraduate teaching, but also for use by interested graduates.

A collection of over two thousand lantern slides and several hundred stereoscopic photographs is maintained.

MUSEUM OF HYGIENE.

DIRECTOR:—PROF. T. A. STARKEY.

The material in the museum has been rearranged with a view to exhibiting not only specimens of the best and most approved types of appliances in each particular branch of public health, but also examples of types which are to be avoided on hygienic principles.

In order to facilitate study and reference, the specimens have been classified upon a decimal system under the following sections:—

1. *Disinfection.*—Including disinfecting apparatus of all kinds, disinfectants and antiseptics.

2. *Lighting and Heating.*—Showing contrivances used for these purposes, and illustrative of the principles involved.

3. *Water.*—Showing conditions connected with pollution of water supplies, whether derived from the surface or underground sources; methods of purification on large and small scales; water pipes, etc., and the influence which these fittings may exert upon the water contained therein.

4. *Soils and Buildings.*—Building sites, various kinds of soils; relation between soil and dampness; permeability of soils to gases and water; composition of soils; effects of ground moisture on dwellings; measures to be taken against dampness and foul air; and building materials of all kinds.

5. *Air.*—Including ventilation schemes and appliances; climate and meteorology, with apparatus illustrative of each class.

6. *Foodstuffs.*—Adulterations and sophistications practised; samples of unsound foodstuffs.

7. *Bacteriological and Pathological.*—Specimens of diseased meats; specimens and slides of all the common micro-organisms, pathogenic and non-pathogenic.

8. *Clothing.*—Specimens of all the materials utilized for the manufacture of clothing, showing the raw state and the various processes through which they pass until the finished product is reached; the hygienic value of these various articles is also set forth.

Injuries and deformities which may directly result from the use of badly designed articles of clothing; history and evolution of clothing.

9. *Drainage and Refuse Disposal.*—This section includes every type of appliance used as sanitary fixtures in buildings; drainage schemes; ultimate disposal of refuse both liquid and solid; refuse destructors, and sewage disposal plants. The section also includes types of faulty methods and appliances which on principle ought to be avoided.

In addition to the regular museum exhibit, there is a collection of over 1,000 lantern slides illustrative of phases of hygiene. The slides have been so arranged as to be available for demonstrations as hand specimens.

A catalogue with text and full description of all the exhibits contained in the museum is issued by the University authorities, and may be purchased at the general office.

LIBRARY.

HONORARY LIBRARIAN:—C. F. WYLDE.
ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.
ASSISTANTS:—MISS PAULINE M. CARRIÈRE. MISS C. DAVIDSON, B.A. MISS PATRICIA BURNS. MISS EDITH GORDON.

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library.

There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m., Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed all day Saturday.

McGILL MEDICAL SOCIETY.

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To increase the facility with which the men can express themselves in public.

(4) To give the men an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals as well as the leading daily newspapers are kept on file.

CLASS LISTS

Ninety-first Session, 1922-23.

The total number of students enregistered in the Medical Faculty during the past session was 764, of whom 42 were students of Pharmacy with 1 Post Graduate.

Medical Students:

First Year	88	
Second Year	138	
Third Year	99	
Fourth Year	80	
Fourth Year (Five Year Course)	173	
Fifth Year	143	
		721
Pharmacy Students	42	
Post Graduates	1	
		764

Of whom there were from:—

Quebec	283	West Indies	21
Ontario	132	England	5
New Brunswick	50	Finland	1
Nova Scotia	47	Porto Rico	1
Manitoba	8	Guatemala	1
Newfoundland	10	Italy	1
Prince Edward Island	19	Serbia	1
Alberta	37	Bermuda	1
Saskatchewan	23	Ukrainia	1
British Columbia	52		
United States	70	Total	764

SUMMARY OF STUDENTS IN ATTENDANCE AT THE UNIVERSITY.

Session 1922-23.

	Total
Arts	687
School of Commerce	195
Applied Science	585
Medicine	718
Department of Pharmacy	42
Dentistry	131
Law	74
Agriculture	60
Music	124
School for Social Workers	22
School of Physical Education	45
School of Household Science	68
School for Graduate Nurses	57
Faculty of Graduate Studies and Research	93
Total	2901
Less number whose names appear in more than one list	18
Total	2883

In addition to the above, 1146 were enrolled in Extension Courses.

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

(INCLUDING THE DEPARTMENT OF PHARMACY)

FOR THE SESSION 1924-25

NINETY-THIRD SESSION

MONTREAL:
PRINTED FOR THE UNIVERSITY BY THE GAZETTE PRINTING CO. LIMITED

1924

The following official publications are issued annually by the University and may be had on application to the Registrar.

Announcements of Faculties and Departments as follows:—

Faculty of Arts and Royal Victoria College.

Faculty of Applied Science.

Faculty of Law.

Faculty of Dentistry.

Faculty of Medicine.

The Conservatorium of Music.

The School of Commerce.

Faculty of Graduate Studies and Research.

The Department of Pharmacy.

The School for Graduate Nurses.

The School for Social Workers.

The School of Physical Education.

Macdonald College Announcement.

General Announcement.

The Calendar.

The Annual Report.

Matriculation Examination Papers (Price, 25 cents).

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Governing Body of the University

VISITOR.

HIS EXCELLENCY JULIAN HEDWORTH GEORGE, BARON BYNG OF VIMY, G.C.B., G.C.M.G., M.V.O., GOVERNOR-GENERAL OF CANADA, ETC.

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SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D., Principal and Vice-Chancellor.

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FRED W. MOLSON, ESQ.

LIEUT.-COL. ROBERT STARKE.

LIEUT.-COL. HERBERT MOLSON, C.M.G., M.C., B.Sc., LL.D.

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WALTER MOLSON, ESQ., B.A.

PRINCIPAL.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D.

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(*Ex-Officio*)

IRA A. MACKAY, M.A., LL.B., Ph.D., Acting Dean of the Faculty of Arts.

HON. MR. JUSTICE R. A. E. GREENSHIELDS, B.A., B.C.L., Dean of the Faculty of Law.

C. F. MARTIN, B.A., M.D., Dean of the Faculty of Medicine.

F. C. HARRISON, D.Sc., Principal of Macdonald College.

SINCLAIR LAIRD, M.A., B.Phil., Dean of the School for Teachers, Macdonald College.

H. C. PERRIN, Mus. Doc., Dean of the Faculty of Music.

ETHEL HURLBATT, M.A., Officier de l'Instruction Publique, Warden of the Royal Victoria College.

A. W. THORNTON, D.D.S., D.D.Sc., Dean of the Faculty of Dentistry.

ARTHUR S. LAMB, B.P.E., M.D., Director of the Department of Physical Education.

GERHARD R. LOMER, M.A., Ph.D., Librarian.

H. M. MACKAY, B.A., B.A.Sc., Dean of the Faculty of Applied Science.

R. F. RUTTAN, B.A., M.D., D.Sc., F.R.S.C., Dean of the Faculty of Graduate Studies and Research.

To retire September 30th, 1925.

A. B. WOOD, B.A., Representative Fellow in Arts.

————————, Elective Fellow, Faculty of Medicine.

————————, Governors' Fellow.

C. E. FRYER, Ph.D., Elective Fellow, Faculty of Arts.

REV. D. L. RITCHIE, B.A., D.D., Representative Fellow, Congregational College of Canada, Principal of the College.

E. M. EBERTS, M.D., Representative Fellow in Medicine.

REV. E. I. REXFORD, M.A., LL.D., Representative Fellow, Montreal Diocesan Theological College, Principal of the College.

C. M. MCKERGOW, M.Sc., Elective Fellow, Faculty of Applied Science.

A. H. ELDER, B.A., B.C.L., Representative Fellow in Law.

REV. RICHARD ROBERTS, D.D. Governors' Fellow.

F. H. GRINDLEY, B.S.A., Representative Fellow in Agriculture.

D. A. MURRAY, Ph.D., Governors' Fellow.

To retire September 30th, 1926.

Rev. D. J. Fraser, M.A., LL.D., D.D., Representative Fellow, Presbyterian College, Montreal, Principal.

A. H. Gordon, M.D., Representative Fellow in Medicine.

W. F. Angus, B.Sc., Representative Fellow in Applied Science.

Warwick F. Chipman, B.A., B.C.L., Representative Fellow in Law.

Hon. Mr. Justice E. Edwin Howard, B.A., B.C.L., K.C., Elective Fellow, Faculty of Law.

W. W. Chipman, B.A., M.D., F.R.C.S., F.A.C.S., Elective Fellow, Faculty of Medicine.

J. Bonsall Porter, Ph.D., D.Sc., Elective Fellow, Faculty of Applied Science.

I. Gammell, B.A., Governors' Fellow.

William Lochhead, B.A., M.Sc., Elective Fellow, Faculty of Agriculture.

To retire September 30th, 1927.

————————Representative Fellow in Arts.

Rev. Allan P. Shatford, M.A., Governors' Fellow.

Cyrus Macmillan, M.A., Ph.D., Elective Fellow, Faculty of Arts.

J. C. Hemmeon, M.A., Ph.D., Elective Fellow, Faculty of Arts.

Rev. James Smyth, LL.D., Representative Fellow, Montreal Wesleyan Theological College, Principal of the College.

————————, Representative Fellow in Applied Science.

Miss Helen Richmond Young Reid, B.A., LL.D., Governors' Fellow.

H. J. Silver, B.A., LL.D., Governors' Fellow.

Mrs. Elizabeth A. Irwin, M.A., Representative Quebec Association of Protestant Teachers.

(The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University.)

ADMINISTRATIVE OFFICERS.

PRINCIPAL.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D.

DEAN OF THE FACULTY OF MEDICINE.

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SECRETARY AND BURSAR

A. P. S. GLASSCO, B.Sc., OFFICE EAST WING, MCGILL COLLEGE.

(*Office Hours:—9 to 5.*)

REGISTRAR.

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SECRETARY OF THE FACULTY OF MEDICINE.

J. C. SIMPSON, B.Sc.

ASSISTANT BURSAR.

S. R. BURRELL, ESQ.

ASSISTANT REGISTRAR.

J. W. JEAKINS, B.A.

UNIVERSITY LIBRARIAN.

GERHARD R. LOMER, M.A., Ph.D.

CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1924-25.

1924

Monday, Sept.	15	Supplemental Examinations begin. Register opens for students in Medicine.
Saturday, "	20	Meeting of the Faculty.
Monday, "	22	Lectures begin.
Monday, Oct.	6	Founder's Day. Convocation for conferring Degrees. Opening address for the session.
Wednesday, "	8	Register closes for the session.
Friday, "	10	Sports Day. No lectures.
Saturday, "	18	Meeting of the Faculty.
Monday, Nov.	10	Thanksgiving Day. No lectures.
Saturday, Dec.	20	Last day of lectures before Christmas.

1925

Monday, Jan.	5	Lectures resumed.
Thursday, "	8	Meeting of the Faculty.
Saturday, "	17	Meeting of the Faculty.
Monday, "	19	Second term opens.
Wednesday, Feb.	25	Ash Wednesday. No lectures.
Saturday, April	4	Meeting of the Faculty.
Friday, "	10	Good Friday. No lectures.
Saturday, "	11	No lectures.
Thursday, "	23	Meeting of the Faculty.
Wednesday "	29	Lectures end.
Saturday, May	2	Meeting of the Faculty.
Monday, "	4	Examinations begin.
Friday, "	29	Convocation for Conferring Degrees.

Faculty of Medicine

EMERITUS PROFESSORS.

WILLIAM GARDNER, M.D.
Emeritus Professor of Gynæcology. 457 Sherbrooke St. W.

FRANCIS J. SHEPHERD, M.D., LL.D. (Edin. and Harv.), F.R.C.S. (Hon.) (Edin. and Eng.).
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Emeritus Professor of Surgery. 354 Mackay St.

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Emeritus Professor of Medicine. 273 Bishop St.

PROFESSORS AND ASSOCIATE PROFESSORS.

(These, with the Principal and Vice-Principal constitute the Faculty.)

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Professor of Oto-Laryngology. 252 Mountain St.

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Dean of the Faculty and Professor of Medicine. Medical Building.

ARTHUR WILLEY, D.Sc., F.R.S.
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Assistant Professor of Histology. Medical Building.

N. GIBLIN, M.B., Ch.B.
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Assistant Professor of Biochemistry. Biological Building.

LECTURERS.

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W. B. HOWELL, M.D.
Lecturer in Anæsthetics. 756 Sherbrooke Street.

F. B. GURD, M.C., B.A., M.D.
Lecturer in Immunology and in Surgery. 731 Sherbrooke Street.

W. G. HEPBURN, M.D.
Lecturer in Anæsthetics. 614 Victoria Avenue.

A. A. Robertson, M.D.
Lecturer in Medicine. 136 Mansfield Street.

J. Kaufmann, M.D.
Lecturer in Medicine. 124 Crescent Street.

F. T. Tooke, M.D.
Lecturer in Ophthalmology. 368 Mountain Street.

Gordon S. Mundie, M.D.
Lecturer in Psychiatry. 660 Sherbrooke Street W.

J. R. Fraser, M.D.
Lecturer in Gynæcology and in Obstetrics. 670 Sherbrooke St. W.

E. H. Mason, M.D.
Lecturer in Medicine and in Bio-Chemistry. 214 Bishop St.

F. Green, M.D.
Lecturer in Physiology. 281 Mackay Street.

C. T. Crowdy, M.D.
Lecturer in Pathology. 144 Percival Avenue, Montreal West.

H. E. MacDermot, M.D.
Lecturer in Anatomy. Medical Arts Building.

F. H. Mackay, B.A., M.D.
Lecturer in Neurology. 164 Crescent Street.

F. A. C. Scrimger, V.C., B.A., M.D.
Lecturer in Surgery. Medical Arts Building.

F. J. Tees, M.C., B.A., M.D.
Lecturer in Surgery and Demonstrator in Anatomy.
105 Crescent St.

C. F. Wylde, C.B., M.D.
Lecturer in Medicine and Demonstrator in Pediatrics.
101 Crescent Street.

C. F. Moffatt, M.D.
Lecturer in Medicine. 97 Crescent Street.

Wesley Bourne, M.D.
Lecturer in Pharmacology. 34 St. Mark St.

A. Howard Pirie, M.D.
Lecturer in Radiology. Royal Victoria Hospital.

W. A. Wilkins, M.D.
Lecturer in Radiology. Montreal General Hospital.

C. K. P. Henry, M.D.
Lecturer in Surgery. 4549 Sherbrooke St. West.

I. M. Rabinowitch.
Lecturer in Bio-chemistry and in Medicine.
Montreal General Hospital.

G. J. Cassidy, M.D.
Lecturer in Physiology. 306 Prince Arthur Street, West.

W. J. Scott, M.D.
Lecturer in Pathology. Montreal General Hospital.

F. W. Harvey, B.A., M.D.
University Medical Officer and Lecturer in Physio-Therapy. 4007 Dorchester Street W.

T. R. Waugh, B.A., M.A., M.D.
Dr. James Douglas Fellow and Lecturer in Pathology.
Royal Victoria Hospital.

R. E. Powell, M.D.
Lecturer in Urology. 132 Crescent Street.

J. A. Nutter, B.A., M.D.
Lecturer in Orthopædic Surgery. 607 Drummond Building.

F. McKenty, M.D., F.R.C.S.
Lecturer in Surgery. 648 Union Avenue.

A. B. Chandler, M.D.
Lecturer in Pediatrics. 131 Bishop Street.

S. Graham Ross, M.D.
Lecturer in Pediatrics. 262 Bishop St.

W. T. B. Mitchell, M.D.
Lecturer in Psychiatry

W. A. G. Bauld, M.D.
Lecturer in Obstetrics and Gynæcology.
670 Sherbrooke Street. W.

DEMONSTRATORS.

R. H. M. Hardisty, D.S.O., M.O., B.A., M.D.
Demonstrator in Medicine Medical Arts Building.

J. G. Browne, B.A., M.D.
Demonstrator in Medicine. 294 Sherbrooke St. W.

D. W. McKechnie, D.S.O., M.D.
Demonstrator in Medicine. 210 Milton Street.

Hamilton White, B.A., M.D.
Demonstrator in Oto-Laryngology. 756 Sherbrooke Street West.

J. T. Rogers, M.D.
Demonstrator in Oto-Laryngology. 758 Sherbrooke Street West.

W. J. Patterson, B.A., M.D., F.A.C.S.
Demonstrator in Orthopedic Surgery. Medical Arts Building.

W. E. Enright, B.A., M.D.
Demonstrator in Pediatrics. 388 Roslyn Avenue.

D. G. CAMPBELL, M.D.
Demonstrator in Medicine and in Therapeutics. 443 Mackay Street.

A. G. MORPHY, M.D.
Demonstrator in Psychiatry. 770 Sherbrooke Street West.

J. MACMILLAN, M.D.
Demonstrator in Ophthalmology. 129 Stanley Street.

A. G. MCAULEY, M.D.
Demonstrator in Ophthalmology. 621 Dorchester Street W.

A. H. MACCORDICK, M.D.
Demonstrator in Medicine. 131 Stanley Street.

C. C. BIRCHARD, M.D.
Demonstrator in Medicine. 231 Bishop Street.

E. E. ROBBINS, M.D.
Demonstrator in Medicine. 1963 Park Avenue.

D. MACCALLUM, M.D.
Demonstrator in Medicine.. 670 Sherbrooke St. W.

H. A. SIMS, M.D.
Demonstrator in Psychiatry. Medical Arts Building.

J. L. D. MASON, B.A., M.D.
Demonstrator in Medicine. 24 Park Avenue.

L. M. LINDSAY, M.D.
Demonstrator in Pediatrics. Medical Arts Building.

N. VINER, M.D.
Demonstrator in Neurology. 133 Bishop Street.

A. D. CAMPBELL, M.D.
Senior Demonstrator in Anatomy. 131 Bishop Street.

R. B. MALCOLM, M.D.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 295 Querbes Avenue.

L. H. MCKIM, M.D.
Demonstrator in Anatomy and in Surgery. Medical Arts Bldg.

G. A. FLEET, M.D.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 142 Crescent Street.

A. ROSS, M.C., B.A., M.D.
Demonstrator in Anatomy and Assistant Demonstrator in Surgery. 5027 Sherbrooke Street W.

M. SENG, M.D.
Demonstrator in Urology. 760 Sherbrooke Street West.

GUY JOHNSON, M.A., M.D., F.R.S.C. Edin. *Demonstrator in Anatomy and in Surgery.*	453 Sherbrooke Street West.
C. R. BOURNE, M.D. *Demonstrator in Medicine.*	4174 St. Catherine Street West.
IVAN PATRICK, M.D. *Demonstrator in Histology and Embryology and in Gynæcology.*	5021 Sherbrooke Street West.
E. V. MURPHY, M.D. *Demonstrator in Medicine.*	Alexandra Hospital.
A. T. HENDERSON, M.D. *Demonstrator in Medicine.*	386 Sherbrooke St. W.
F. N. K. FALLS, M.D. *Demonstrator in Anatomy.*	5718 Sherbrooke Street W.
J. W. ARMSTRONG, M.D. *Demonstrator in Anæsthesia.*	Royal Victoria Hospital.
T. A. MALLOCH, B.A., M.D. *Demonstrator in Medicine.*	232 Bishop St.
G. C. ANDERSON, M.D. *Demonstrator in Pharmacology.*	64 Durocher St.
C. C. STEWART, M.D. *Demonstrator in Pharmacology.*	60 Sherbrooke St. W.
A. J. MARTIN, B.A., M.D. *Demonstrator in Anatomy.*	300 Oxford Ave.
J. F. BURGESS, M.D. *Demonstrator in Dermatology.*	Medical Arts Building.
COLIN SUTHERLAND, M.D. *Demonstrator in Medicine.*	
W. F. EMMONS, M.Sc., M.D. *Demonstrator in Physiology.*	Biological Building.
N. T. WILLIAMSON, M.D. *Demonstrator in Anatomy.*	
T. M. RICHARDSON, M.D. *Demonstrator in Anatomy.*	
H. L. CAMERON, B.A., M.D. *Demonstrator in Biochemistry.*	Biological Building.
J. C. FORBES, B.A., M.Sc. *Demonstrator in Biochemistry.*	Biological Building.
J. J. WALKER, M.D. *Demonstrator in Medicine.*	Medical Arts Bldg.

C. C. Melhado, M.D.
Demonstrator in Obstetrics. 5044 Sherbrooke Street. W.

P. G. Silver, B.Sc., M.D.
Demonstrator in Pathology. Montreal General Hospital.

A. L. Wilkie, B.A., M.D.
Demonstrator in Pathology. Pathological Institute.

R. R. Struthers, M.D.
Demonstrator in Pediatrics. 660 Sherbrooke St. W.

A. Stewart, M.D.
Assistant Demonstrator in Surgery. 414 Mackay St.

D. H. Ballon, B.A., M.D.
Assistant Demonstrator in Oto-Laryngology. 107 Crescent Street.

J. Rosenbaum, M.D.
Assistant Demonstrator in Ophthalmology.
36 Sherbrooke Street West, Apt. 2.

H. P. Wright, B.A., M.D.
Assistant Demonstrator in Pediatrics. Medical Arts Building.

D. L. Mendel, M.D.
Assistant Demonstrator in Medicine. 1729 Park Avenue.

A. Bramley-Moore, M.D.
Assistant Demonstrator in Ophthalmology. 820 Dorchester St. W.

G. E. Hodge, M.D.
Assistant Demonstrator in Oto-Laryngology. Medical Arts Bldg.

Alton Goldbloom, B.A., M.D.
Assistant Demonstrator in Pediatrics. 199 Bishop Street.

C. R. Joyce, M.D.
Assistant Demonstrator in Medicine. 1967 Park Avenue.

J. C. Wickham, M.D.
Assistant Demonstrator in Medicine. 4484 Sherbrooke St. W.

Keith Gordon, M.D.
Assistant Demonstrator in Medicine.

Lorne C. Montgomery, M.D.
Assistant Demonstrator in Medicine. Medical Arts Bldg.

W. E. Williams, M.D.
Assistant Demonstrator in Pediatrics. 1834 Park Ave.

R. Cameron Stewart, M.D.
Assistant Demonstrator in Pediatrics.
1240 Cote St. Antoine Road.

J. S. Henry, M.D.
Assistant Demonstrator in Pathology. Montreal General Hospital.

F. M. Brown, M.D.
Assistant Demonstrator in Pathology. Pathological Institute.

J. D. McKinnon, M.D.
Assistant Demonstrator in Pathology. Pathological Institute.

J. F. MacIver, M.D.
Assistant Demonstrator in Medicine. 311 Wilson Avenue.

SCHOLARS.

Mark Kaufmann, M.D.
John McCrae Scholar.

H. E. Burke, M.D.
Cooper Research Scholar in Experimental Medicine.
Biological Building.

M. F. Cashin, M.D.
Cooper Research Scholar in Experimental Medicine.
Biological Building.

A. R. Elvidge, M.D.
Cooper Research Scholar in Experimental Medicine.
Biological Building.

W. J. McNally, B.A., M.D.
Cooper Research Scholar in Experimental Medicine.
Biological Building.

HISTORICAL SUMMARY.

(Medical Faculty).

1821-1924.

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estates and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated.
1821	Charter granted to McGill University. Corner-stone of Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree granted by Medical Faculty upon W. Logie. ....
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845-51.
1852	Sir William Dawson appointed Principal.
	Faculty removed to Coté Street.
1860	Geo. W. Campbell appointed Dean, serving till 1882.
1872	First independent Medical Faculty building on University ground.
	Graduation of William Osler.

1882	Geo. W. Campbell Memorial Fund for Medical Faculty.
	Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona).
	R. P. Howard appointed Dean.
1885	New laboratories erected in Medical Building (Lord Strathcona).
1889	Robert Craik appointed Dean—George Ross—Vice-Dean.
1893	Sir William Peterson appointed Principal.
	Pathological Laboratory erected (John H. R. Molson).
	Chairs of Hygiene and of Pathology endowed (Lord Strathcona).
	Mrs. Mary Dow Endowment Fund presented to Medical Faculty.
1894	Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
1898–01	Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona).
	Joseph Morley Drake Chair of Physiology founded.
1901	Thomas G. Roddick appointed Dean.
1906	Alexandra Hospital for Infectious Diseases opened.
1907	Medical Building partly destroyed by fire.
1908	F. J. Shepherd appointed Dean.
1909–11	New Medical Building (as at present) erected. (Lord Strathcona).
1911	Robert Reford endowment of Department of Anatomy.
	Arthur A. Browne Memorial Fund for Research established.
	Dr. James Douglas lectureship in Pathology founded.
	Dr. James Douglas lectureship research fellowship in Pathology founded.
1912	Eddie Morrice Laboratory of Pharmacology opened (D. Morrice).
	James Cooper Endowment Fund established for Internal Medicine.
1914	H. S. Birkett appointed Dean.
	No. 3 General Hospital organized for Overseas service.
	New Foundling Hospital opened.
1916	Ross Memorial Pavilion opened by H.R.H. Duke of Connaught.
1917	Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William MacDonald bequeathed $100,000 to Medical Faculty.

1919 Sir Auckland Geddes appointed Principal.

1920 Sir Arthur Currie appointed Principal.

Dr. J. W. Scane appointed Assistant Dean.

1921 Centenary Celebration.

Friends and Graduates of McGill donated $4,000,000 to University.

Province of Quebec donated $1,000,000 to University.

Rockefeller Foundation granted $1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.

Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.

C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

FACULTY OF MEDICINE.

The ninety-third session of the Faculty will open on September 22nd, 1924.

ENTRANCE REQUIREMENTS.

A candidate for admission to the First Year in the Faculty of Medicine must present satisfactory evidence that he has completed two full years in the Faculty of Arts of any recognized University, or its equivalent, including lectures and laboratory work in:—

Chemistry (inorganic and organic), two years.
Physics, one year.
Biology, one year.

Courses specially designed to meet these requirements are offered in the Faculty of Arts of this University, where a student may take the two years of study required, or, if qualified (by Senior Matriculation or otherwise) may enter the Scond Year, which comprises courses in Chemistry, Physics and Biology especially suited to the needs of prospective students in Medicine.

Intending students who wish to enter by certificate should under no circumstances come to the University without having obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

APPLICATION FOR ADMISSION.

Applications for admission to the Faculty of Medicine should be addressed to the Registrar of the University, and should be accompanied by:—

1. An official transcript of the applicant's high school and college record, showing that he has fulfilled the entrance requirements of the Faculty.
2. Two letters of recommendation as to character and general fitness, preferably from teachers of the pre-medical sciences under whom he has studied.
3. A small unmounted photograph of the candidate.

The number of students in each class is limited and applications will be received up to August 1st.

If the applicant be accepted he will be expected to pledge himself to enter the Faculty of Medicine in September; otherwise his place will be given to another eligible candidate.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING.

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH.

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of the Second Year, as well as those of all years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination, physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics, special exercise will be prescribed and instruction provided. The student will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for this examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

Provision is made by the Departments for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, except under special circumstances.

REGISTRATION.

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1924-25 on September 15th to September 20th, 1924. Those who wish to register after September 22nd will be required to pay a fee of $5.00 during the first week of the session and $10.00 during the second week before they will be allowed to do so. This fee will not be refunded except for satisfactory reasons and by the authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES.

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 24th and 25th.

Fees will also be accepted before September 22nd.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after October 5th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of $2.00 exacted of students in default.

4. The total Faculty fees for the medical course of five full sessions, including clinics, laboratory work, dissecting materials and reagents, will be *one thousand dollars,* payable in five annual instalments of $200.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $17.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees. No fees will be refunded to partial students under any circumstances whatever.

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid full fees elsewhere for the course

taken. These students are also required to pay in addition the hospital fees exacted in the year to which they are admitted.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for a half session, and $20.00 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. The fee for the Degree of Doctor of Medicine and Master of Surgery is $30.00, to be paid by the successful candidate to the University Bursar immediately after the final examination. When the degree is conferred in absentia, an additional fee of twenty dollars will be exacted unless the candidate has been specially exempted by the Faculty.

10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

SUMMARY OF FEES.

Sessional fee		$200.00
By Instalments:		
First instalment, if paid before Sept. 28th	$102.00	
Second instalment, if paid before February 1st	102.00	
Microscope, first instalment (on deferred payment plan)	35.00	35.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	$266.00	$262.00
Graduation fee		$ 30.00

MICROSCOPES.

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6 and 1/12 oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $120.00 or on the deferred payment plan, by which payment is spread over five years as follows:—First Year, $35.00; second year, $27.50; third year, $25.00; fourth year, $22.50; fifth year, $15.00.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the First Year subjects, the marks therefor being added to the total marks obtained at the final examinations.

Any student of the First Year whose work at the end of the first term is judged to have been unsatisfactory may be asked to leave the University.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than two subjects may, at the discretion of the Faculty, be allowed to take the supplemental examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Students who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the Final Year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

A student who, after being registered in the First, Second, Third or Fourth Year for two successive sessions, fails to qualify for advancement, or who, after being registered in the final year for two successive sessions, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Secretary of the Faculty at least three days before the day set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject. This fee is payable to the Bursar.

MEDALS, PRIZES AND FELLOWSHIPS.

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the Third Year.

The Final Prize.—A prize in books, awarded for the best examination, written and oral, in the final year. The Holmes and Wood medalists are not permitted to compete for this prize.

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Clinical Therapeutics.

The Fourth Year Prize.—A prize in books, awarded for the best examination, written and oral, in all the branches of the Fourth Year course.

The Third Year Prize.—A prize in books, awarded for the best examination, written and oral, in the branches of the Third Year.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.)—A microscope, to be awarded to the student of the Fourth Year who obtains the highest number of marks for the examinations in Pathology and Bacteriology.

The Second Year Prize.—A prize in books for the best examination in all branches of the Second Year course.

The First Year Prize.—A prize in books for the best examination in all branches of the First Year course

The A. A. Browne Memorial Fellowship.—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in pathology, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The James Cooper Fund for the Study of Internal Medicine. This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote research and to improve teaching in the Department of Medicine.

The John McCrae Scholarship.—A scholarship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company as a permanent scholarship.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation in the Medical Faculty of McGill University.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University, must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.

5. He must have attended during at least twenty-four months the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have reported at least ten medical and ten surgical cases.

6. He must also have attended during one full session the practice of the Montreal Maternity or other lying-in hospital approved by the University, and have acted as assistant for at least twenty cases.

7. Every candidate must also have administered, under direction, at least six anæsthetics and have assisted at not less than six autopsies.

8. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum persevaturum; tum porro artem medicam caute, caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum; quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

REQUIREMENTS FOR LICENSE TO PRACTISE.

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements and in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in the several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided upon graduation it is, therefore, strongly advised that students should register with the licensing body of their home province before beginning their medical course. In any case they must be registered not later than the end of the First Year.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 364 St. Catherine Street E., Montreal.

ONTARIO.—Dr. H. Wilberforce Aikins, 170 University Ave., Toronto. Ont.

NEW BRUNSWICK.—Dr. J. S. Bentley, 138 Charlotte Street, St. John, N.B.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Kent Street, Charlottetown, P.E.I.

NEWFOUNDLAND.—Dr. T. Mitchell, St. John's, Nfld.

MANITOBA.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

ALBERTA.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUMBIA.—Dr. A. P. Proctor, Vancouver, B.C.

DOMINION REGISTRATION.

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN.

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN.

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Boards of the Provinces of Quebec, Ontario, Nova Scotia, New Brunswick, Prince Edward Island, Saskatchewan, Manitoba, and Alberta. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain, and will be able to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

UNDERGRADUATE COURSES.

1. THE MEDICAL COURSE.

The course leading to the degree of M.D., C.M., consists of five sessions of eight months each, the subjects being arranged as follows:—

First Year.

Anatomy	360 hours
Histology and Embryology	180 "
Chemistry	120 "
Physiology	150 "
General Physiology	60 "

Second Year.

Anatomy (including organogenesis)	360 hours
Biochemistry	240 "
Physiology	180 "
Bacteriology	120 "
Parasitology	25 "
History of Medicine	15 "

Third Year.

Medicine	150 hours
Surgery	150 "
Pathology	150 "
Pathological (Clinical) Chemistry	60 "
Clinical Microscopy	60 "
Hygiene	90 "
Pharmacology	150 "
Psychology	30 "

Fourth Year.

Medicine (including Pediatrics, Neurology, Psychiatry and Dermatology)	350 hours
Surgery (including Orthopedic Surgery and Urology)	300 "
Obstetrics and Gynæcology	60 "
Pathology	90 "
Clinical Therapeutics	30 "
Medical Jurisprudence	40 "

Fifth Year. (Hospital Year.)

The session is divided into three trimesters of nine weeks each and a final Optional Period of four weeks (during the month of April).

During the three trimesters the time is devoted almost entirely to hospital work, the students acting as clinical clerks and concentrating in Medicine in one trimester, in Surgery in another and in Obstetrics, Gynæcology and the specialties in a third. At the end of each trimester there is a clinical examination.

Theatre clinics in Medicine and Surgery are attended by all students throughout the whole session.

During the last four weeks of the session the work of the student will depend upon the standard he has attained in the trimester clinical examinations.

(a) Those students who have made seventy per cent. in these examinations, while carrying the theatre clinics in Medicine and Surgery will be permitted to choose two subjects from the optional courses which are offered during this period. Each course will occupy about two hours a day during the four weeks. No examination will be held.

(b) Those students who fail to obtain seventy per cent. in the trimester clinical examinations will be required, in addition to the theatre clinics in Medicine and Surgery, to pursue further work in the regular sessional subjects, especially in those subjects in which they are weak.

2. DOUBLE COURSES IN ARTS AND MEDICINE.

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years.

The first three years are taken in the Faculty of Arts, Physics being taken in the First Year, Chemistry 1 in the Second Year and pre-medical Biology and Chemistry in the Third. This is followed by the regular five-year course in the Faculty of Medicine, the B.A. Degree being granted on completion of the first medical year.

B.Sc. M.D.

The degree of B.Sc. and M.D. may be obtained in eight years. Students who wish to proceed to advanced work in physiology, biological chemistry, pharmacology or allied subjects can qualify by taking the first four years of this course.

First Year.

English 1 and 2, German 3, Mathematics 1 *or* 2.
Physics 1, Chemistry 1, French 12.

Second Year.

German 4 *or* **French 2, Physics 2, Botany 1.**
Zoology (premedical), **Chemistry 3.**

Third Year.

Chemistry 2 and 4, General Physiology (as in First Year Medicine).
Zoology 4 and 7, Physics 3A, Botany 4.
Histology and Embryology (as in First Year Medicine).

Fourth Year.

Chemistry 7 and 10, Anatomy (as in First Year Medicine) *or* **Special Advanced Biology.**
Physiology (as in First Year Medicine).

3. COURSE LEADING TO DEGREE OF BACHELOR OF SCIENCE IN MEDICINE.

The requirements for this degree are as follows:—

1. Honour standing in the examinations in any two of the following subjects:—Anatomy (including Histology and Embryology), Physiology, Biochemistry, Pharmacology and Pathology.

2. In addition to the regular undergraduate courses in Medicine, 240 hours of specialized study in a third one of these subjects, under the guidance of the department concerned and approved by the B.Sc. (Med.) Committee. In the examinations in the special subject honour standing will be exacted.

Candidates are strongly recommended to acquire a reading knowledge of both German and French, and their attainments, as shown by their record in the class lists in the undergraduate course, must be distinctly above those of the average student.

COURSES OF INSTRUCTION.

PHYSICAL EDUCATION.

DIRECTOR:—ARTHUR S. LAMB.
UNIVERSITY MEDICAL OFFICER:—F. W. HARVEY.

All students on entering the University are required to pass a physical examination. They are then divided, according to the result of this examination, into five classes:—

(*a*) Fit for all forms of physical exercise.

(*b*) Fit for a limited number of forms.

(*c*) Fit for gymnasium work only.

(*d*) Fit for remedial gymnastics or temporarily unfit.

(*e*) Unfit for any form of physical exercise.

At the time of his medical examination each student is required to fill in a card indicating his choice of physical activity, which he will be allowed to follow, unless debarred for medical reasons, under which circumstances he will be given a further choice among other recognized but less strenuous forms of exercise or will do gymnasium work as the case may require.

Physical education is compulsory for all students of the first two years. Two periods per week will be devoted to it.

Unexcused absences up to one-eighth of the required number of periods shall be allowed. Unexcused absences exceeding one-eighth, but not exceeding one-fourth, may be allowed if at the end of the session the student passes a special examination and satisfies the Director that he has made sufficient progress. Unexcused absences exceding one-fourth shall disqualify a student. Such students shall be required to take extra gymnasium class work to the satisfaction of the Director, a supplemental course being given in the month of September for this purpose.

At regular intervals during each session and also at the end of each session, the Director of Physical Education shall furnish the Dean of each Faculty with a list of students who have failed to meet the attendance requirements as laid down in the ordinary curriculum, or who have proved unsatisfactory in other respects, and such cases shall be dealt with by the respective Faculties.

No student in default shall be allowed to proceed to the next year of his course unless for special reasons exemption should be granted on

the recommendation of his Faculty and approved by the Committee on Physical Education.

Not less than one month before the conferring of degrees in each session, the Director shall furnish to the Registrar of the University, for transmission to Corporation and the Faculties concerned, a list of all students, being candidates for degrees at the forthcoming Convocation, who have failed to satisfy the requirements of the Committee on Physical Education, and no Diploma for a degree shall be issued to any such candidate unless by the express direction of Corporation.

ORGANIC CHEMISTRY.

PROFESSOR:—R. F. RUTTAN.

ASSOCIATE PROFESSOR:—N. N. EVANS.

DEMONSTRATORS:—
- G. W. HOLDEN.
- C. SIVERTZ.
- W. W. THOMPSON.
- F. H. YORSTON.

Instruction in General and Organic Chemistry for students in Medicine will, in future, be required for entrance to the Medical course and will, therefore, be given in the Pre-medical years. However, during the Session 1924-25 a short introductory course of three lectures per week in organic chemistry will be given during the first term. This forms a preparatory course leading up to the more complete study of organic substances of biological importance during the second term in the course on biological chemistry.

GENERAL PHYSIOLOGY.

PROFESSOR:—FRANCIS E. LLOYD.

ASSISTANT PROFESSOR:—GEO. W. SCARTH.

On the structure, properties and behaviour of protoplasm. Sixty hours during the First Year.

Reference books:—Verworn, General Physiology (translation by Lee); Bayliss, Principles of General Physiology; Bechhold, Colloids in Biology and Medicine (translation by Bullowa); McClendon, Physical Chemistry of Vital Phenomena.

ANATOMY.

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.
ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.
ASSISTANT PROFESSOR OF ANATOMY:—I. MACLAREN THOMPSON.
ASSISTANT PROFESSOR OF HISTOLOGY:—F. SLATER JACKSON.
LECTURER IN HISTOLOGY:—W. M. FISK.
LECTURER IN CHARGE OF DENTAL STUDENTS:—H. E. MACDERMOT.
SENIOR DEMONSTRATOR (in Charge of Dissecting Room):—
A. D. CAMPBELL.
DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—IVAN PATRICK.

DEMONSTRATORS:
F. J. TEES.
L. H. MCKIM.
H. BRUCE MALCOLM.
G. A. FLEET.
J. G. W. JOHNSON.
A. ROSS.
F. N. K. FALLS.
A. J. MARTIN.
N. T. WILLIAMSON.
T. M. RICHARDSON.

PROSECTOR:—MR. WILLIAM MUIR.

The student begins the study of Anatomy in the First Year of his course, and during this and the Second Year the whole body is dissected twice. The aim of this part of the course is to establish the essential foundations upon which the practice of medicine and surgery is based; the importance of the application to the living body of the knowledge gained in dissection is, therefore, emphasized throughout. During the Third and Fourth Years the subject is considered from the standpoint of its clinical bearing. Close co-operation between the anatomical, histological and embryological parts of the course is maintained during the whole four years.

First Year.

1. Elementary Anatomy:—The student dissects the whole body, including the brain, aiming at a general knowledge of the form and relations of the systems and organs without detailed consideration. Stress is laid upon the importance of function in determining form and structure, and the osteology and surface anatomy are studied concurrently. Whole session, 330 hours.

Text-books:—Gray's "Anatomy" (English edition); Walmsley's "Practical Anatomy."

2. **Histology and Embryology:**—A course of lectures and practical work on the general problems of development and on the early stages of development of the human embryo and a detailed study of the microscopic structure of the tissues and organs of the human body. Whole session, 180 hours.

Text-book:—Jordan, "Text-book on Histology."

Reference books:—Kellicott, "Text-book of General Embryology"; Bailey and Miller; Prentiss and Arey, "Text-book of Embryology."

Second Year.

3. **Advanced Anatomy:**—The whole body is dissected for the second time and in detail. In this year regional and cross-section anatomy receive special attention and, in correlation with course 4, the nervous system and sense organs are further studied.

Whole session, 360 hours.

Text-book:—Gray's "Anatomy" (English edition).

4. **Organogenesis:**—The development of the organs and systems of the human body, co-ordinating with course 3.

Whole session, 60 hours.

Text-book:—Bailey and Miller "Text-book of Embryology."

Reference:—"Reference Handbook of Medical Sciences," new edition, 1922, Keibel and Hall.

Third Year.

5. **Surgically Applied Anatomy:**—This course is given in January and February, immediately preceding the course in Operative Surgery on the cadaver, which is conducted in the dissecting room by the Department of Surgery. Second trimester, 30 hours.

Dictionary:—Every student is advised to provide himself with a good medical dictionary as an essential part of his text-book equipment. Any one of the following may be recommended:—Stedman, Dorland, Gould, Lippincott's, American.

Post-Graduate Study.

Material and preparations for post-graduate study are always available, and a special effort will be made to assist graduates in the investigation of any part of the subject in which they are interested.

Physical Anthropology.

The Department is prepared to give a course of special instruction in the methods and application of this subject.

Dental Anatomy.

Details of the courses in Anatomy and Histology for dental undergraduates and graduates will be found in the Announcement of the Faculty of Dentistry.

PHYSIOLOGY.

THE JOSEPH MORLEY DRAKE PROFESSOR AND DIRECTOR OF EXPERIMENTAL MEDICINE:—JOHN TAIT.

ASSISTANT PROFESSOR:—N. GIBLIN.

LECTURERS:—F. GREEN.
G. J. CASSIDY.

DEMONSTRATOR:—W. F. EMMONS.

COOPER RESEARCH SCHOLARS IN EXPERIMENTAL MEDICINE:—

H. E. BURKE. A. R. ELVIDGE.
M. F. CASHIN. W. J. MCNALLY.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes Physiology has been linked up with Experimental Medicine, and the department, working in intimate association with the hospital wards, forms the headquarters for research in clinical problems along instrumental or "experimental" lines. At the same time the available graduate instruction is not confined to the immediate medical applications of Physiology, provision being made for dealing with the science in some of its wider biological implications.

A. UNDERGRADUATE COURSES IN PHYSIOLOGY.

First Year.

1. *Lectures:*—In this course, which coincides with the instruction in elementary anatomy and histology, the simple uses of the various parts of the body are expounded in relation to minute structure and in terms of experiment.

2. *Laboratory:*—Students work in pairs. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous system. Frog material is largely used for the latter part of this course.

Class book:—Schäfer's "Experimental Physiology."

Second Year.

3. *Lectures:*—With a view to medical applications the subject-matter of the previous lectures is reviewed in greater detail, the inter-relations of parts being brought out by consistent cross-reference. On suitable occasion comparative as well as historical methods of treatment are adopted. The intrinsic mechanism apart from the simple uses of individual elementary structures is subjected to preliminary discussion, while the phenomenon of regulation is also presented with examples.

Text-books:—Howell, Stewart, Starling.

4. *Laboratory:*—Students work for the most part in groups. The course includes mammalian operative work, and also observations on the human subject with clinical and other apparatus.

Class book:—Sherrington's "Mammalian Physiology."

5. *Hospital Clinics:*—Along with the formal instruction in physiology, clinical demonstrations are given in the hospital theatres on patients. The object of these demonstrations is to show the relation of physiology to symptoms of disease in the human subject.

B. Graduate Instruction in Physiology and in Experimental Medicine.

Some of the following courses, which were originally designed for B.Sc. (Med.), for M.A. for M.Sc. and for Ph.D. candidates, are open to Honours optional students (as a reward for special application to study) and to the clinical teachers of the school.

6. *Special Lectures in Physiology:*—In this course, adapted to meet the requirements of clinicians, particular aspects of physiology are selected from year to year for special treatment. The lectures are opn to clinical teachers, to Honours and to graduate students.

7. *Physiological Clinics:*—These are bedside lectures and demonstrations conducted in connection with Experimental Medicine. The cases which form the basis of these clinics are prepared by the Scholars in Experimental Medicine.

8. *Blood and Circulation:*—This course includes lectures, laboratory work and demonstrations. The following questions receive consideration:—Life-history of the corpuscles, hæmoglobinometry, hæmocytometry, hæmolysis, blood transfusion, coagulation and arrest of hæmorrhage, cytology of the cerebro-spinal fluid, methods of recording pulse and blood pressure, electrocardiography and experiments on the excised heart and vessels.

9. *Structure and Function:*—This course includes a review of modern work in biology in which structure, whether of the developing or of the adult animal, has been investigated by experimental means. The aim is to show the scope and place of physiology and of physiological method in relation to such problems. A special study is made of structural adaptations to physically new environment.

10. *Physiological Colloquium:*—This meets weekly and is limited to those engaged in research in the department.

11. *Tutorial Class:*—This class is held in connection with advanced graduate reading.

RESEARCH WORK.

For particulars and facilities relating to research work in physiology and experimental medicine, and for subjects of theses required in connection with the degree of M.A., M.Sc., Ph.D. and D.Sc., application should be made to the professor. See also Announcement of the Faculty of Graduate Studies and Research.

STUDENTS' PHYSIOLOGICAL SOCIETY.

Both undergraduate and graduate students will find it of advantage to become members of the Students' Physiological Society. In addition to the privilege of hearing from time to time addresses on special departments of the subject, members are entitled to consult and to borrow books of the library of the Society, which contains many standard text-books and special works.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY.

PROFESSOR:—A. B. MACALLUM.

ASSISTANT PROFESSOR:—J. F. LOGAN.

DEMONSTRATORS:—H. L. CAMERON. J. C. FORBES.

LECTURERS ON PATHOLOGICAL CHEMISTRY:—E. H. MASON. I. M. RABINOWITCH.

There will be given three courses in the Session 1924-5, one of 60 hours in Elementary Biochemistry to the class of the First Year, a second of 240 hours to that of the Second Year, and a third of 70 hours in Pathological Chemistry to the class of the Third Year.

The course in Elementary Biochemistry, which will involve twenty lectures and forty hours of laboratory exercises, will be an introduction to the study of the products of normal living matter, viewed as compounds of Organic Chemistry. Emphasis will be laid on their character as alcohols, aldehydes, acids and esters, on the occurrence and significance of cyclic atom groups in them and on the chief products of their decomposition.

The course for the Second Year will be given throughout the session and will involve three lectures and six hours of laboratory exercise per week. It will cover an advanced course of that given in the First Year and it will also include an extensive discussion and treatment of (a) the origin, character, and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs, in the human body; (c) the intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

In the laboratory course the exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

The course in Pathological Chemistry given in the Third Year will involve twenty lectures and fifty hours of laboratory exercises. It will deal with the metabolism in febrile conditions, deficiency diseases, diabetes, nephritis, hepatic disorders, etc. The laboratory exercises will cover the more exact methods of the determination of the constituents of the blood and urine in health and disease. On this course will be based the award of the Sutherland Medal.

Text-books:—Cole, "Practical Physiological Chemistry"; Halliburton, "Essentials of Chemical Physiology"; Plimmer, "Practical Organic and Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Hawk, "Practical Physiological Chemistry."

Reference:—Robertson, "Principles of Biochemistry"; Von Fürth, "Chemistry of Metabolism"; Bayliss, "Principles of General Physiology."

PATHOLOGY AND BACTERIOLOGY.

STRATHCONA PROFESSOR:—HORST OERTEL.
ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.
ASSOCIATE PROFESSOR OF PARASITOLOGY:—J. L. TODD.
ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.
LECTURERS:—C. T. CROWDY. J. W. SCOTT.
LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—T. R. WAUGH.
ASSISTANTS AND DEMONSTRATORS:—A. L. WILKIE. J. S. HENRY. F. M. BROWN. J. D. MCKINNON. P. G. SILVER.
TECHNICAL ASSISTANTS:—E. L. JUDAH, *Preparator.* J. GIROUX, *Shop Assistant.* B. TOMLINSON, *Technician in Pathology.* J. JAMES, *Technician in Bacteriology.*

PATHOLOGY.

A. SYSTEMATIC COURSES.

1. The biological foundations of general pathology and pathological anatomy, including infection and immunity; the historic evolution of the conception of disease, its relation to other sciences and to philosophy; the hereditary foundations and the subjective and external causes of disease; the individual development of disease; the anatomic-histological lesions and their biological explanations; general somatic death. Lectures and experimental demonstrations twice weekly throughout the session.

Pathological Institute.....PROFESSOR OERTEL.

2. Laboratory course in general pathological anatomy and histology. Two hours weekly, winter term.

Pathological Institute.....PROFESSOR OERTEL AND DEMONSTRATORS.

3. Special pathology and pathological anatomy; lectures on the diseases of the more important systems and organs, followed by demonstrations. Two hours weekly, throughout the session. Includes the circulatory, hæmotopoietic, respiratory, digestive and renal systems.

Pathological Institute.....PROFESSOR OERTEL AND DEMONSTRATORS.

4. Selected chapters of special pathology with demonstrations; includes the nervous system, bones, joints, glands of internal secretion.
Pathological Institute.....Dr. Crowdy and Dr. Waugh.

5. The diseases of the blood and of the blood-forming organs. Lectures and demonstrations, once weekly, winter term.
Pathological Institute.....Dr. Waugh.

B. PRACTICAL COURSES.

6. Practical Pathology: Demonstrations and discussion of anatomical and bacteriological material in relation to clinical cases.
Montreal General Hospital.....Professor Rhea.

7. Performance of Autopsies.
Pathological Institute.
Professor Oertel, Dr. Crowdy, and Demonstrators.
Montreal General Hospital.
Professor Rhea, Dr. Scott, and Demonstrators.

8. Clinical Pathological Conferences.
Montreal General Hospital.....Clinical and Pathological Staffs.

9. Practical course of Pathologico-anatomical methods and Diagnosis. Once weekly.
Pathological Institute.....Professor Oertel

10. Pathological Research (Open to graduates) by appointment.
Pathological Institute and Montreal General Hospital.
Professors Oertel and Rhea and Dr. Waugh.

11. Pathological Colloquium. Two hours weekly.
Pathological Institute.....Professor Oertel and Staff.

Reference Books:—Oertel, General Pathology; Virchow, Cellular Pathology; Cohnheim, Lectures on Pathology; Ziegler, Specielle Pathologie; Delafield and Prudden, Text-book of Pathology; Wells, Chemical Pathology.

BACTERIOLOGY.

1. Laboratory course in bacteriology, with explanatory lectures and demonstrations, autumn term.
Pathological Institute.
Professor Bruère, Demonstrators and Assistant Demonstrators.

2. Bacteriological and Immunological Research (Open to graduates). Pathological Institute.

PROFESOR OERTEL AND PROFESSOR BRUÈRE, by appointment.

Reference Books:—His and Zinsser; Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

GRADUATE COURSES FOR HIGHER DEGREES.

Courses 1, 5 and 10 in Pathology and 2 in Bacteriology are open to graduates for higher degrees and students of other Faculties.

PARASITOLOGY.

The main feature of this course is a series of twenty-five lectures and demonstrations, illustrated by lantern slides, and by specimens both gross and microscopical. Demonstrations of special methods used in the study of animal parasites are given in the laboratory.

Medical Building.....PROFESSOR TODD.

References:—Manson, Tropical Diseases (London, 7th Edition, 1921); Stitt, Practical Bacteriology, Blood Work and Animal Parasitology (Philadelphia, 6th Edition with Clinical Notes, 1921); Chalmers and Castellani, Manual of Tropical Medicine (London, 3rd Edition, 1919); Byam, The Practice of Medicine in the Tropics (London, 1921).

PHARMACOLOGY.

PROFESSOR:—R. L. STEHLE.

ASSISTANT PROFESSOR OF THERAPEUTICS:—D. S. LEWIS.

LECTURER:—WESLEY BOURNE.

LECTURER IN IMMUNOLOGY:—FRASER B. GURD.

LECTURERS IN PHYSIO-THERAPY:— F. W. HARVEY. NORMAN BROWN.

DEMONSTRATORS:— C. C. STEWART. G. C. ANDERSON.

DEMONSTRATOR IN THERAPEUTICS:—D. GRANT CAMPBELL.

Third Year.

Pharmacology:—Laboratory course correlated with systematic lectures, demonstrations and conferences. The action of drugs and poisons upon normal and abnormal organims is considered. The course includes: general principles (absorption, excretion, mode of action, toler-

ance, hypersensitivity, synergism, antagonism and relation of chemical structure to action); etiotropic action (antiseptics and specific chemotherapy); organotropic action (effects of drugs upon nervous, digestive, circulatory systems, etc., individual organs and internal metabolic processes). In addition the chemistry of drugs is considerd in detail and a brief survey of pharmacy is included.

Fourth Year.

Therapeutics:—A systematic lecture course is given on the principles of therapeutics and the applications of drugs in internal medicine, surgery, gynæcology and the specialties. Drs. Lewis and Bourne.

Fifth Year.

Clinical Therapeutics: In co-operation with the Department of Medicine. Ward classes and clinics in the Royal Victoria Hospital and Montreal General Hospital. Dr. Lewis and Dr. D. Grant Campbell.

Physio-Therapy: Practical instruction by Dr. Harvey and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

Research.

The department is located on the fifth floor of the new Biological Building and is especially equipped for investigation. Suitably prepared persons may undertake research at any time throughout the year.

Text-books:—Cushny, Sollmann, Dixon, Clark.

HIGHER DEGREES.

Advanced courses leading to the degrees of B.Sc. (Med.), M.Sc., or Ph.D. are arranged to suit individual cases. See Announcement of Faculty of Graduate Studies.

HYGIENE.

STRATHCONA PROFESSOR:—T. A. STARKEY.

ASSISTANT PROFESSORS:—R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive

measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

Industrial Hygiene forms part of this instruction, and deals with the study of occupational diseases; insanitary conditions in factories, workshops and other industrial establishments, and any other environment connected with the work which may be likely to undermine the health of the workpeople; work and fatigue; general measures designed to preserve the health of the workmen, and to keep them fit and efficient, both inside and outside the works.

School hygiene forms another part of this course—bringing out the chief points connected with the scope of work and nature of duties of the School Medical Officer, a post so frequently undertaken nowadays by the general practitioner.

Numerous visits of inspection are made by the class to various places and establishments, chosen to illustrate the general principles of sanitation:—Housing and industrial establishments; schools; water and sewage works; refuse destruction; places dealing with food supplies, especially meats and milk; and welfare centres.

The Museum is completely equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters and with every facility for the prosecution of research work.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau, Park.

See pages 61 to 63 for advanced and special courses, and qualifications in Hygiene: suitable for Medical Officers of Health, and others engaged in any branch of Public Health Work.

Lectures are also given by the Department in the Departments of Architecture and Civil Engineering and in the Schools for Graduate Nurses, Social Workers and Physical Education.

MEDICAL JURISPRUDENCE.

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and

demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Text-books:—Glaister; Buchanan; Mann. *Reference:*—Peterson and Haines; Taylor.

MEDICINE AND CLINICAL MEDICINE.

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—JONATHAN C. MEAKINS.

PROFESSORS:—C. F. MARTIN. CAMPBELL PALMER HOWARD. W. F. HAMILTON.

ASSOCIATE PROFESSOR:—A. H. GORDON.

LECTURERS:—C. A. PETERS, H. B. Cushing, A. A. ROBERTSON, J. KAUFMANN, E. H. MASON, D. S. LEWIS, C. F. WYLDE, C. F. MOFFATT, I. RABINOWITCH,

DEMONSTRATORS:—J. G. BROWNE, D. W. MCKECHNIE, R. H. M. HARDISTY, D. G. CAMPBELL, A. H. MACCORDICK, E. E. ROBBINS, C. C. BIRCHARD, J. L. D. MASON, D. MACCALLUM, C. R. BOURNE, E. V. MURPHY, A. T. HENDERSON, T. A. MALLOCH, COLIN SUTHERLAND, J. J. WALKER.

ASSISTANT DEMONSTRATORS:—D. L. MENDEL. C. R. JOYCE. J. C. WICKHAM. KEITH GORDON. LORNE MONTGOMERY. J. F. MACIVER.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern university medical clinic at the Royal Victoria Hospital with extensive laboratories for the study of disease in all its phases—further by the excellent clinical facilities at the Montreal General Hospital, as well as by the affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

Third Year.

Instruction is given at the College and in Hospital as follows:

1. A short course of lectures on the general principles of medicine, emphasizing the bearing of earlier studies on clinical work.
2. Lecture demonstrations in the theatre on methods of examination of patients.
3. Practical instruction in groups at the bedside and in the out-patient department (2 weekly).
4. Clinical Microscopy.

Fourth Year.

Instruction will consist of:—

1. One didactic lecture weekly throughout the session on special topics of clinical medicine.
2. Two theatre clinics weekly.
3. Ward classes in groups.
4. Attendance in groups in the O.P. Department.
5. Clinico-pathological conferences.

Fifth Year.

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give

the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

OPTIONAL COURSES.

Students of the Fifth Year, who have obtained 70 per cent. in the trimester examinations of the clinical subjects in their final year, may select as options two subjects out of the Postgraduate Courses offered during the month of April in lieu of their regular ward work and laboratory instruction. They will, nevertheless, be required to follow the theatre clinics in the major subjects.

No examination will be held in these optional courses. (Vide separate sheet enclosed in the Annual Announcement.)

PEDIATRICS.

CLINICAL PROFESSOR:—H. B. CUSHING.

LECTURERS:—
- F. M. FRY.
- GRAHAM ROSS.
- A. B. CHANDLER.

DEMONSTRATORS:—
- C. F. WYLDE.
- W. E. ENRIGHT.
- L. LINDSAY.
- R. R. STRUTHERS.

ASSISTANT DEMONSTRATORS:—
- H. P. WRIGHT.
- A. GOLDBLOOM.
- W. E. WILLIAMS.
- R. C. STEWART.

Instruction is given in all the clinical years.

An introduction to the subject is presented in the Third Year in the form of a series of clinics to groups of students on the physical examination of infants and children, and the variation of physical signs from those found in the adult.

In the Fourth Year, the instruction is given throughout the year, and is designed to cover the principles of pediatrics. The course consists of didactic lectures and theatre clinics in the hospitals, and deals with the peculiarities and development of children, the principles and theory of infant feeding, the general nursing and care of infants and older children, the diseases peculiar to both, and the differences in the manifestation and treatment of ordinary diseases of adults and children.

In the Fifth Year, the course is entirely clinical and practical; a

series of clinics at the bedside, in the theatre and in the out-patient department is given to small groups of students. Students are required to study personally and to report cases in the various pediatric clinics, outpatient departments and health centres. Special attention is devoted to practical instruction in infant feeding and the care of the new-born and young infants. In this connection regular ward rounds for groups of students are arranged weekly in the Maternity Hospital.

Text-books:—Holt and Howland; Dennett; Feer; Still; Porter and Carter; Morse and Talbot; Koplik.

NEUROLOGY.

CLINICAL PROFESSOR:—C. K. RUSSEL.
LECTURER:—F. H. MACKAY.
DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the nervous system is given in the earlier years of study and students of the First and Second Years are introduced wherever possible to neurological patients who illustrate the anatomy and physiology of the nervous system.

In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

Lectures and clinical demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and theatre.

In the Final Year groups of students are taken into the wards and outpatient departments of the General Hospitals. The Psychiatric Clinic at the Royal Victoria Hospital furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

A series of demonstrations on neuro-pathology is given in the laboratory.

PSYCHIATRY.

CLINICAL PROFESSOR:—C. A. PORTEOUS.
LECTURERS:—G. MUNDIE. W. T. B. MITCHELL.
DEMONSTRATORS:—H. A. SIMS. A. G. MORPHY.

Instruction will be given in the Fourth and Fifth Years.

Fourth Year.

A series of Didactic Lectures at the University and Clinical Demonstrations of the commoner psychopathic conditions.

Fifth Year.

Clinical instruction in groups:—

1. At the Psychiatric clinic.
2. At the Mental Hospital (Verdun)

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jelliffe and White (1923 Ed.).

PSYCHOLOGY.

ASSOCIATE PROFESSOR:—J. W. BRIDGES.

A short course of lectures is given on General and Abnormal Psychology with special reference to the latter. Discussion will include the psychological principles underlying psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the psychology of insanity.

DERMATOLOGY.

CLINICAL PROFESSOR:—G. G. CAMPBELL.
LECTURER:—W. P. BURNETT.
DEMONSTRATOR:—J. F. BURGESS.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett, at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Derematology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

HISTORY OF MEDICINE.

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY AND CLINICAL SURGERY.

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD.

PROFESSOR:—A. T. BAZIN.

ASSOCIATE PROFESSOR:—E. M. EBERTS.

ASSISTANT PROFESSORS:—W. L. BARLOW, C. B. KEENAN.

LECTURERS:—F. A. C. SCRIMGER, F. J. TEES, C. K. P. HENRY.
F. E. MCKENTY, F. B. GURD.

LECTURERS IN ANÆSTHESIA.—W. B. HOWELL, W. G. HEPBURN.

DEMONSTRATORS:—GUY JOHNSON, L. H. MCKIM.

DEMONSTRATOR OF ANÆSTHESIA:—J. W. ARMSTRONG.

ASSISTANT DEMONSTRATORS:—ALBERT ROSS, G. A. FLEET, A. STEWART,
R. B. MALCOLM.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

During the Third Year, students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their anatomy, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In this year a course of fifteen lectures on the general principles of surgery will be given.

In the Fourth Year, students attend surgical clinics in the amphitheatre of the hospitals three days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professorial rank teaches them in the wards and instructs them in groups. During this year a series of thirty didactic lectures will be given upon the main types of disease and injury.

The Fifth is the purely hospital year. There are three amphitheatre clinics in the hospitals, weekly. Group teaching is carried out in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history, prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Third and Fourth Years.

Text-books:—Operative Surgery—Binnie and Burghard; Surgery—A system of Surgery, C. C. Choyce; Rose and Carless, Thomson and Miles, Keen's Surgery; Russell Howard; Ashurst; Da Costa; Emergency Surgery—Sluss; Surgical Anatomy—Treves and Keith; Davis' Applied Anatomy; Gask and Williams' Text-book of Surgery; Fitzwilliam's Pocket Surgery; The Treatment of Fractures, Scudder; The Principles and Practice of Surgery, Hanbold.

UROLOGY.

CLINICAL PROFESSORS:— { F. S. PATCH. / D. W. MACKENZIE.

LECTURER:—R. E. POWELL.

DEMONSTRATOR:—M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fifth Year they are given a course of fifteen lectures on the elements of the subject in the University, followed by fifteen clinics demonstrating typical cases in the Hospitals.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-Book:—Keyes' Urology.

Collateral Reading:—Thompson Walker's Genito-Urinary Surgery; White and Martin's Genito-Urinary Surgery and Venereal Diseases.

ORTHOPÆDIC SURGERY.

CLINICAL PROFESSORS:— { A. MACKENZIE FORBES. / W. G. TURNER.

LECTURER:—J. A. NUTTER.

DEMONSTRATOR:—W. J. PATTERSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at each of these hospitals for four or five consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of

clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNÆCOLOGY.

PROFESSOR OF OBSTETRICS AND GYNÆCOLOGY:—W. W. Chipman.

CLINICAL PROFESSOR OF GYNÆCOLOGY:—F. A. L. LOCKHART.

ASSISTANT PROFESSOR OF OBSTETRICS AND LECTURER IN GYNÆCOLOGY.
H. M. LITTLE.

LECTURERS IN OBSTETRICS AND GYNÆCOLOGY:—H. C. BURGESS. J. R. FRASER. W. A. G. BAULD.

LECTURERS IN OBSTETRICS:—J. R. GOODALL. J. W. DUNCAN.

LECTURER IN GYNÆCOLOGY:—DAVID PATRICK.

DEMONSTRATOR IN GYNÆCOLOGY:—IVAN PATRICK.

DEMONSTRATOR IN OBSTETRICS:—G. C. MELHADO.

Fourth Year.

1. A course of about fifty lectures on the fundamental principles of the subject, illustrated by diagrams, models, and fresh and preserved specimens.

Professor Chipman.

OBSTETRICS.

Fifth Year.

2. Bedside instruction in the Montreal Maternity, including external palpation, pelvimetry, the management and after-treatment of cases.

3. A complete course on obstetric operations with the Tarnier-Budin phantom.

4. A course of individual clinical instruction at the Montreal Maternity Hospital including an interne period.

5. Clinical demonstrations and ward-work on the diseases of the new-born.

Text-books:—Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

GYNÆCOLOGY.

6. Theatre Clinics and bed-side instruction in the Royal Victoria and Montreal General Hospitals.

Professors Chipman and Lockhart and Staff.

7. Practical instruction to small groups of students in the out-patient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY.

PROFESSOR:—W. G. M. BYERS.

CLINICAL PROFESSOR:—G. H. MATHEWSON.

LECTURERS:—F. T. TOOKE. S. H. MCKEE.

DEMONSTRATORS:—A. G. MCAULEY. J. A. MACMILLAN.

ASSISTANT DEMONSTRATORS:—J. ROSENBAUM. A. BRAMLEY-MOORE.

The undergraduate course in opthalmology is designed to meet the needs of a well-trained general practitioner.

In the Fourth Year, the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum of outlay for equipment. Instruction in the use of the opthalmoscope, and familiarization with the appearances of the normal fundus of the eye, are a main feature of this preliminary teaching.

In the Fifth Year, apart from a course of twelve lectures, variously illustrated and covering the place of ophtlamology in medicine, the relation of the eye to other organs, and the general principles of the subject, the entire available time is spent in theopthalmic wards and clinics of the hospitals. The work here is restricted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main opthalmoscopic findings in systematic disorders and effections of the nervous system; with practical lessons on opthalmic nursing and first aid.

Text-books:—Parsons; May; De Schweinitz; Fuchs.

OTO-LARYNGOLOGY.

PROFESSOR:—H. S. BIRKETT.
LECTURER:—H. D. HAMILTON.
DEMONSTRATORS:— { HAMILTON WHITE. / J. T. ROGERS.
ASSISTANT DEMONSTRATORS:— { D. H. BALLON. / G. E. HODGE.

The course of instruction in Oto-Laryngology is carried on in the recently constructed wards and out-patient department of both the Montreal General and the Royal Victoria Hospital, where owing to the large clinics the students are afforded ample opportunity of receiving practical instruction in these subjects. Between these two hospitals there are about fifty beds set apart for this specialty.

The courses are conducted in small classes, so that personal supervision, which is so essential in this specialty, is accorded to each student.

The clinics are held twice a week in each hospital and continue throughout the session.

The courses are based altogether upon the needs of such knowledge as a general practitioner should have regarding these special organs.

The course is carried on in both Fourth and Fifth Years.

In the Fourth Year the students receive instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

In the Fifth Year the students have presented to them only pathological conditions affecting these organs. As many cases as is possible are brought forward to illustrate the various diseases, and the clinical material thus presented is dealt with by a clinical lecture, and is further enlarged by gross pathological specimens, microscopical material and lantern slides.

From eight to ten didactic lectures are given only upon the more common conditions met with in these organs in general practice.

At the end of the course in the Fifth Year only an examination is held, which is written and clinical.

Two positions as Resident House-Surgeons in the Department of Oto-Laryngology in both hospitals are open to the members of the graduating class.

Text-books:—Albert Gray; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips.

GRADUATE INSTRUCTION.

1. Any graduate who so desires may attend any of the regular courses given to students of the final year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the head of the Department in which the graduate desires to occupy himself.

Vide Annual Announcement under heading of "Departments of Physiology Pathology, Anatomy, Hygiene, etc."

3. Post-graduate Courses: Special short courses lasting for four weeks during the month of April, 1925, have been arranged. (Vide Special Announcement enclosed in this volume.)

Instruction will include the following subjects:—

Medicine:—

(1) General; (2) Disease of the Circulatory System.
(3) Metabolism; (4) Neurology.
(5) Tuberculosis.
(6) Pediatrics and Infectious Diseases.
(7) Clinical Laboratory Methods.
(8) Clinical Therapeutics.

Surgery:

(1) General; (2) Orthopaedic.
(3) Genito-urinary Diseases.

Specialties:—

(1) Ophthalmology; (2) Oto-Laryngology.
(3) Radiology; (4) Gynæcology and Obstetrics.
(5) Applied Anatomy.

4. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

Every M.O.H. should possess this qualification.

Candidates must have graduated in Medicine, or must have had other qualifications to practise at least twelve months before they are allowed to receive the diploma.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of Hygiene, Preventive Medicine and Sanitation.

(b) Bacteriology—a full practical course in general bacteriology, with special application to Public Health.

(c) (a) *Sanitary Chemistry.* Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, articles of dress, house decorations, etc.; chemical investigaions connected with trades and occupations.

Physics. General principles only in their application to Hygiene.

(d) Practical Out-door Sanitary Work. An extended course under a M.O.H., affording facilities for instruction in sanitation relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

(e) Sanitary legislation and administration. Statutes and by-laws relating to Public Health and the powers of sanitary authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics; calculations and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of infectious diseases, of child hygiene and psychopathic diseases, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearances of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on sanitary conditions in an acutal locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is $100.00.

5. Course for Medical Inspectors of Schools: The course is designed to acquaint the Medical Officer of Health with the conditions relating to the school child. The normal child is studied in all phases, his physical and mental fitness to undergo school training, his progress and development in the school. The hygienic conditions and surroundings are studied and all such features as may retard development.

Special instruction, therefore, is given to enable the medical officers to obtain not only a knowledge of the hygiene of the school child but also to detect the earliest signs of defect or disease.

The following subjects are dealt with as specially applied to this object in view:—

General medicine relating to school life—feeding, nutrition, mental deficiencies, communicable diseases, dermatology, etc. Orthopaedics in its relation to the school child; oto-laryngology and opthalmology.

Regional anatomy; hygiene and sanitation; administration and the relation of the school medical officer to Public Health authorities.

Visits are paid to various schools for personal observation of the technique of these inspections.

6. Graduates desiring special instruction in Industrial Hygiene or School Hygiene may apply to the Head of the Department of Hygiene.

BUILDINGS.

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal conditions exist for the teaching of medical students, the School being in juxtaposition to the Royal Victoria Hospital, with which it is closely allied, while the large scientific laboratories of the University are also adjacent, thus enabling easy co-operation. In addition, close affiliation exists with the Montreal General Hospital, the Children's Memorial Hospital, the Foundling Hospital, the Alexandra Hospital for Infectious Diseases, the Protestant Hospital for the Insane and the Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is controlled by the University.

THE CENTRAL MEDICAL BUILDING.

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 35,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museum of Pathology and Anatomy. The Faculty of Dentistry is also in this Buillding.

The new Library rooms for the reception of the Osler Library are now complete and await its arrival.

The Department of Anatomy, with its commodious laboratories, its Dissecting Room with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING.

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184' x 36'—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these Departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

The Department of Botany, in addition to its laboratories, has three glass houses—60' x 18' adjacent to the Building, and provides living material for the work in General Biology and General Physiology.

The Department of Physiology, with its large and well-equipped teaching laboratories, each accommodating 96 students, is provided not only with motor-driven recording drums for each pair of students, but has also 16 fixed tables equipped with all the necessary apparatus for practical experiments in Physiology which each student must undertake for himself. Other rooms provide for advanced practical instruction and research. This Department is admirably equipped with an excellent workshop, animal quarters, operating and sterilizing rooms, string-galvanometer room, histology rooms, including dark rooms, and the usual space for demonstrations. The frog and turtle tanks are in the Basement, and a two-storey house for mammals is adjacent.

The Biochemical Laboratory on the Third Floor is of the most modern type, and has abundant accommodation for research workers. An extension of this floor is already being required to fulfil the needs of Physical Chemistry and the added interest of metabolic studies.

The Department of Pharmacology occupies the Top Floor, and is equally well-equipped.

THE PATHOLOGICAL INSTITUTE.

The Pathological Institute, which houses the Departments of Pathology, Bacteriology and Medical Jurisprudence, has just been completed. This building, over 200 feet long and from 60 to 90 feet wide, faces the Royal Victoria Hospital, with which it is connected by a tunnel. It is of steel and stone construction in harmony with the architecture of the Royal Victoria Hospital and consists of a high basement containing mortuary for twelve bodies, shops, students' rooms, offices, and machinery rooms. The first floor is given over to Pathology and Medical Jurisprudence (autopsy theatre,, lecture room museum, demonstration rooms, several small laboratories, library and photography).

The second floor has the chemical, histological, experimental, animal and other research laboratories. The third floor is set apart for students' and research laboratories in Bacteriology. With the main building is connected by an archway a small cottage with living quarters for the technical help and for animal rooms. The building contains throughout all floors a refrigerating system (ammonia plant), hot and cold water, live steam and air exhausts, and a special forced ventilating system. The large students' histology laboratory, accommodating 120 students, is built on a rising tier system of student benches, and the whole northeast wall is practically of thick glass.

HOSPITALS.

The Royal Victoria Hospital, closely affiliated with McGill University, is a general hospital for acute cases, and contains 338 public beds. During 1923, it cared for nearly 30,000 cases; while in the Outpatient Department, about 70,000 patients were treated. There were 212 autopsies during the year.

The number of residents is 32.

The Montreal General Hospital has 317 public beds, and admitted in 1923 nearly 5,000 cases of all varieties. The large and reconstructed Outpatient Department, probably the finest in the country, treated last year nearly 150,000 patients. There were 318 autopsies in 1923.

The staff is appointed with the co-operation of McGill University, and practically all its members are on the teaching staff of the McGill Medical School.

There are 30 resident physicians.

Many additions to the original building have been made, and within recent years it has reorganized its wards, its clinical and pathological laboratories and out-patient departments.

The Dental Clinic, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled on this Continent.

The Western General Hospital, recently amalgamated with the **Montreal General Hospital,** will, it is hoped, afford additional opportunities for the undergraduate.

The Montreal Maternity Hospital, with 31 teaching beds, admitted last year 1,447 patients, with a total of 1,354 confinements. The organized out-patient service is also of the greatest benefit to the undergraduate students.

There are 10 resident physicians.

The Children's Memorial Hospital, affiliated with the McGill Medical School, has 120 public beds, and in 1923, admitted 1,082 patients. The attendance at its out-door department in 1923 totalled 10,668 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of cases, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped Out-patient service.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital, likewise affiliated with McGill University and adjacent to the Maternity Hospital, affords

a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and in 1923, 1,201 patients were admitted to the hospital. There were 26 autopsies.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of Psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for Tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

In these Hospitals altogether there are positions for 83 residents, all of which are open by preference to graduates of the McGill Medical School.

LIBRARY.

HONORARY LIBRARIAN:—C. F. WYLDE.

ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.

ASSISTANTS:—
- MISS PAULINE M. CARRIÈRE.
- MISS C. DAVIDSON, B.A.
- MISS PATRICIA BURNS.
- MISS EDITH GORDON.

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library.

There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m., Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed on Saturday.

MEDICAL SOCIETIES.

1. THE McGILL MEDICAL SOCIETY.

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To increase the facility with which the men can express themselves in public.

(4) To give the men an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY.

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the senior year.

Meetings are held every month throughout the session, and papers are delivered by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

Department of Pharmacy

OFFICERS OF ADMINISTRATION.

SIR ARTHUR WILLIAM CURRIE, G.C.M.G., K.C.B., LL.D., Principal and Vice-Chancellor.

C. F. MARTIN, B.A., M.D., Dean of the Faculty of Medicine.

ALEX. B. J. MOORE, Ph.G., Head of the Department of Pharmacy.

A. P. S. GLASSCO, B.Sc., Secretary and Bursar.

J. A. NICHOLSON, M.A., LL.D., Registrar.

OFFICERS OF INSTRUCTION.

ALEX. B. J. MOORE, Ph.G., Professor of Materia Medica and Pharmacy, Head of the Department, 12 Winchester Avenue, Westmount.

R. L. STEHLE, M.A., Ph.D.
Professor of Pharmacology, Biological Building.

R. F. RUTTAN, B.A. (Toronto), M.D., D.Sc., (Toronto), F.R.S.C.
Professor of Chemistry, 660 Sherbrooke Street West.

A. S. EVE, C.B.E., M.A. (Cantab), D.Sc., F.R.S.C., F.R.S., Professor of Physics, 490 Mountain Avenue, Westmount.

FRANCIS ERNEST LLOYD, M.A. (Princeton), F.R.S.C., Professor of Botany, Biological Building.

DEPARTMENT OF PHARMACY.

GENERAL ANNOUNCEMENT.

The Montreal College of Pharmacy, organized as a teaching body in 1867, for fifty years successfully carried on the work of instructing pharmaceutical students, and for many years it was the only institution in the Province of Quebec offering such instruction.

During the summer of 1916 this College was taken over by McGill University, and a Department of Pharmacy was established in connection with the Faculty of Medicine.

Special instruction on all subjects required by the future Pharmaceutical Chemist is given in the class rooms and laboratories of the University, the students of Pharmacy having access to its splendid equipment.

The work of the Department embraces courses in Botany, Physics, Chemistry and Practical Chemistry, Theoretical and Practical Pharmacy, Dispensing, Materia Medica and Toxicology.

The eighth session of this Department will be opened on Monday, September 22nd, 1924.

Students registering this session will take notice that the course in Pharmacy now covers a period of three years, the work being distributed as follows:—

First Year.

Physics, Junior Chemistry and Junior Practical Pharmacy.

Second Year.

Materia Medica, Junior Theoretical Pharmacy, Senior Chemistry and Botany.

Third Year.

Materia Medica and Therapeutics, Analytical Chemistry and Senior Practical Pharmacy.

ENTRANCE REQUIREMENTS.

For entrance into the Department of Pharmacy the University accepts the preliminary examination of the Pharmaceutical Association of the Province of Quebec in default of the B.A. degree or Arts matriculation (B.A. Course), particulars of which will be found in the General Announcement.

The regulations regarding the Preliminary Examination of the Pharmaceutical Association of the Province of Quebec are as follows:

A diploma of Bachelor of Arts, Science or Letters from a Cana-

dian or British University, is accepted in lieu of the preliminary examination. In this case the candidate must register his application with the Secretary of the Association, and produce his diploma, together with personal proof of his identity.

The candidate for the study of Pharmacy must give satisfactory certificates of good morals, as well as identification and a recent photograph duly attested, and he must be a British subject and at least seventeen years of age. He is also required to pay the fee in advance. The examination which the candidates undergo embraces the following subjects:—

GROUP I.—LETTERS:—

1. Mother tongue (English or French), grammar, syntax, analysis, composition, literature.
2. Auxiliary language (English or French), grammar, syntax, translation both ways.
3. Latin—Grammar, translation of two first books of Cæsar.
4. History—Canadian, French, English and American.
5. Geography.

GROUP II.—SCIENCES:—

1. Arithmetic.
2. Algebra and Geometry:—
   Algebra to 2nd degree exclusively.
   Geometry—The first two books of Euclid.
3. Physics and Chemistry:—
   Physics—Elementary knowledge of mechanics, weight, hydrostatics, pneumatics, capillarity, osmosis, optics and heat.
   Chemistry—General knowledge, definitions, the elements, principal laws of chemical reactions, properties of the principal metalloids and their principal compounds.

For admission the candidate must obtain at least the following percentage in the different subjects:—

Mother tongue and arithmetic, 60 per cent.; other subjects, 50 per cent.; and on the total, 60 per cent.

The candidate who fails in one subject only, of the above groups, either of letters or of sciences, may present himself for examination in that subject at any one of the four subsequent examinations.

The candidate may try for science or letters at different examinations, separately, or for both of these two groups at the one examination. Clear and legible writing is required.

Fee, $20.00, or $10.00 for each group.

The preliminary examinations for admission are held in Montreal and Quebec, the first Thursday of January and July of each year.

The registration of candidates for the examinations must be made at the office of the Registrar of the Association at least ten days before the date set for the examinations. A blank register form can be obtained from the Registrar, and must be signed by the candidate.

The major and minor examinations are held at Montreal in April, and at Quebec in the Autumn.

REGISTRATION.

Students in Pharmacy are required to register at the office of the University Registrar between September 15th and September 22nd, both days inclusive. Students entering on or after Monday, September 22nd, will not be allowed to register until they have paid a late registration fee of $5.00 during the first week of the session, and of $10.00 during the second. This will not be refunded except for satisfactory reasons and by special authorization of the Faculty.

EXAMINATIONS.

Examinations in each subject are held at the close of the course. Students who pass in all subjects of the curriculum, as required by the Pharmaceutical Association of the Province of Quebec, will receive the University Diploma of Pharmacy. A minimum of 50 per cent. in each subject is required to pass, and 75 per cent. for honors. The examination requirements of the Pharmaceutical Association of the Province of Quebec for license to practise Pharmacy in the Province are stated on page 77.

FEES.

All students must register with the University Registrar before paying their fees.

For the session 1924-25 the fees for separate courses will be as follows:—

Registration fee	$ 5.00
Fee for Athletics and Athletic Grounds	3.00
Course in Junior Chemistry and Physics	50.00
Course in Senior Chemistry	50.00
Course in Junior Materia Medica and Pharmacy	50.00
Course in Senior Materia Medica and Pharmacy	50.00
Course in Practical Pharmacy (Junior)	50.00
Course in Practical Pharmacy (Senior)	50.00
Course in Analytical Chemistry	50.00
Course in Botany	25.00
Diploma Fee	15.00
Fee for Supplemental Examination, each subject	5.00

Certain fees are payable to the Pharmaceutical Association of the Province of Quebec for registration, examinations, and for the licentiate in pharmacy. (See page 79.)

For regulations regarding payment of fees, see page 26.

PHYSICAL EXAMINATION AND TRAINING.

See pages 24 and 37.

PRIZES.

For the session 1924-25 a medal is offered as a prize to the graduate who obtains the highest total percentage over 80 per cent.

TEXT BOOKS RECOMMENDED.

PHARMACY AND PRESCRIPTIONS:—Remington's Pharmacy, Bennett's Medical and Pharmaceutical Latin, Scoville's Art of Compounding, Art of Dispensing, Lucas' Practical Pharmacy.

CHEMISTRY:—Juunior and Senior Chemistry.

Reference Book:—Sadtler and Coblentz, Pharmaceutical and Medical Chemistry.

PHYSICS:—Balfour Stewart's Elementary Physics, Ganot's Physics, Peck's Ganot's Physics.

BOTANY:—Gray-Robinson Manual, Kraemer's Applied and Economic Botany.

MATERIA MEDICA:—British Pharmacopœia, United States Dispensatory, Squire's Companian to the British Pharmacopœia, Royal's Materia Medica, Sayre's Organic Materia Medica and Pharmacognosy, Heebner' Synopsis.

COURSES OF LECTURES.

CHEMISTRY.

Two courses will be required for the Diploma in Pharmacy, namely the junior and senior.

Junior Chemistry.—This includes elementary physical science and a university course on the general principles of the science of chemistry. A course in elementary physics will be taken with the students in the School of Commerce and will consist of a series of twenty-five lectures on the principles of physics and their application. The course is non-technical and is intended as an introduction and supplementary to the course in general chemistry. The course in general chemistry will consist of three lectures per week, given for the students in Arts and Medicine, on Monday, Tuesday and Thursday, at two o'clock. In addition to these lectures, there will be two laboratory periods each week of two hours, immediately following the lectures on Monday and Thursday. This course in general chemistry is intended to give a thorough grounding in the fundamental principles governing chemical action and the formation of chemical compounds, organic as well as inorganic.

Senior Chemistry.—The senior course in chemistry will be a short course of laboratory work on the identification and separation of organic and inorganic compounds of special importance in Pharmacy, and will include elementary toxicology, the assay of crude drugs, volumetric analysis, analysis of urine, the use of spectroscope, etc.

Both courses of chemistry will be given by Dr. Ruttan and members of the staff of the Department of Chemistry.

PRACTICAL PHARMACY.

Junior.—This course will embrace (1) the preparation of a number of typical examples drawn from the official dilute acids, waters, liquors, plasters, extracts, fluid extracts, mixtures, liniments, oleates, syrups, ointments, etc. (2) General principles to be observed simple and compound powders, mixtures, emulsions, their nature and preparation; pills and pill coating, gargles, lotions, liniments, suppositories, plasters, ointments, cachets, capsules, tablets and tablet triturates, lozenges and pastilles, lamellae, incompatibility, Pharmacy law.

Senior.—Practical Pharmacy in all its branches will be thoroughly dealt with. The course will include the following subjects:—Clarification, crystallization, decantation, dialysis, distillation, drug grinding, extraction, filtration, heat, metrology, percolation, precipitation, solution, specific gravity, specific volume and vaporization.

In conjunction with the foregoing, the class will practise the modus operandi for the manufacture of different preparations of the B. P., and others, including chemical solutions, elixirs, spirits, plasters, emulsions, ointments, granular effervescent salts, crystal and scale salts of iron, resins, oleo resins, etc.

Particular attention will be given to pharmaceutical assaying, such as opium, ipecac, belladonna, cinchona, nux vomica.

MATERIA MEDICA AND THEORETICAL PHARMACY.

Junior.—This will include instruction in pharmaceutical jurisprudence, poison schedules, weights and measures; classification of the official organic drugs, including leaves, flowers, fruits, seeds, herbs, barks, gums, resins, etc., with the geographical source, parts used, and official preparation of each; posology; theoretical pharmacy (embracing the theories of manufacture of the simple preparations of the B. P., such as medicated waters, syrups, tinctures, compounds, powders, pill masses, etc.); dispensing.

Senior.—Complete classification of all official organic and inorganic drugs, giving, in the former, the mode of collection and preservation, geographical and botanical sources and parts used—and in both instances the constituents and impurities, also the medicinal properties of each, with their preparations; animal drugs, such as pepsin, pancreatin, thyroids, etc., will be dealt with in a similar manner; posology; pharmacognosy; toxicology; theoretical pharmacy (embracing the theories of manufacture of the more complex galenical official preparations); adulterants, impurities and the methods of detection.

BOTANY.

General Botany.—General external morphology of the higher plants (higher cryptogams and phanerogams); anatomy and histology, the latter treated with more especial reference to methods of drug identification by means of the microscope.

General Physiology.—Elementary plant physiology, treated briefly.

Special Botany.—Structure of those plants below the pteridophytes of use or interest to the pharmacist, treated briefly; special morphology of pteridophytes and phanerogams, and their classification. Attention will more especially be given to those families (about 30) of plants chiefly represented in materia medica.

EXAMINATIONS FOR ADMISSION TO THE PRACTICE OF PHARMACY.

(1) EXAMINATION TO OBTAIN THE CERTIFICATE FOR ASSISTANT PHARMACIST.

To become an Assistant in Pharmacy the candidate must furnish proofs of having registered three years as a student in Pharmacy, also that he has served at least three years under a doctor or druggist duly registered; he must pay the fee required, and pass an examination on the medico-pharmacal sciences, Physics, Chemistry and Pharmacy. (Art. 4997, Law of Pharmacy.)

The candidate must be able to read prescriptions in script, translate them into English and French, write fully and legibly all the abbreviated words, point out the doses which are unusual, prepare, label and address properly the prescription, under the scrutiny of the examiner.

The candidate must recognize the Galenic preparations of the B. P., such as extracts, tinctures, powders, etc.; describe the composition of the compound preparations, giving the proportions of their active ingredients, the mode of preparation, and the doses. He must be able to describe properly in the presence of the examiner the different official Galenic preparations.

He must recognize samples of roots, barks, leaves, fruits, etc., employed in medicine, and name the official preparations into which they are incorporated; have a knowledge of the laws of physics and chemical combinations, of the nature and properties of the elements and their compounds, and recognize the acids, oxides, salts and other chemical bodies, described in the B. P., and also give their doses.

(2) FINAL EXAMINATION FOR LICENTIATE IN PHARMACY.

The Final Examination to be passed by the candidate includes all the subjects required for the Assistant in Pharmacy Examinations, but a more thorough knowledge of these sciences is required, also practical, analytical Chemistry and Botany.

The candidate will have to describe the methods of obtaining acids, oxides, salts and other chemical compounds described in the B. P., explain the decompositions which take place when they are made, by means of written equations and diagrams, and also possess a good knowledge of the new synthetic products.

He must recognize the more important medicinal plants; know the therapeutics and posology of B. P. preparations, also the non-official plants which are used commonly, know the physiology and anatomy of plants, the shape, structure and characteristics of the roots, barks, leaves, flowers, fruits, etc.; their physiological functions and their natural order.

He will be required to know the best antidotes for urgent cases of poisoning by the ordinary toxics, and must pass in a satisfactory manner the test on practical pharmacy, analytical chemistry, volumetric, and urine analysis.

He must also show that he is registered as an Assistant Pharmacist, and give proofs of having duly served four years under a doctor or druggist duly registered; that he has followed for two years the Medico-Pharmacal classes, two years of Physics and Chemistry classes, one year's course in Botany and other natural sciences, according to the programme established in institutions incorporated and authorized by the Council of the Association; pass the examinations on the above subjects, and pay the fee. (Art. 4997, Law of Pharmacy.)

However, the student in Pharmacy or the certified clerk may, if he so desires, give up a whole twelve months exclusively to the study of Pharmacy. (Art. 4997.)

The Board of the Pharmaceutical Association will accept only one course in any subject in the same year; classes attended during the same scholastic year in different schools will count for one course. Private or academy classes will not be accepted.

At the Junior and Final Examinations, students must obtain 40 per cent. of points on each subject, at the written examinations, and 50 per cent. on the total number of points, to be admitted to the oral examinations; but the student who passes satisfactorily the written examination is not obliged to begin it over again if he fails in the subsequent oral examination. At the oral examination, they must obtain at least 40 per cent. on each subject, and finally to obtain their license, they must obtain 60 per cent. of the total examinations, oral and written united. Any candidate receiving less than 40 per cent. on any one subject in the written or oral examinations, may apply at the following examination to be examined on this one subject. A candidate who fails to obtain the necessary 40 per cent. in two or more subjects must take all subjects of the examination over again. Any candidate who does not apply at the next examination following to take the subject in which he has failed, or who tries and fails again, will have to take the whole examination, either written or oral, as the case may be.

No certificate of examination will be accepted from any Pharmaceutical Association or College, unless it has been granted after a service of four years in a drug store and following a course of studies which in the opinion of the Board of the Association is equivalent to that required by the articles 4997-4998 of the Law of Pharmacy of the Province of Quebec.

Candidates who apply for the final examination, and who are not twenty-one years old, will be admitted to the examination, but if they

succeed their license will be retained until they have attained the age of twenty-one.

FEES FOR THE EXAMINATIONS.

The fees to be paid by candidates, besides the registration fee, before they are admitted to the examination, are as follows:—Preliminary examination, $20.00, or $10.00 for each group; Assistant in Pharmacy, $15.00, and Phamacist, $25.00. These fees must be paid in advance to the Registrar of the Association.

Any person having registered his name for an examination and not attending will lose the fee paid.

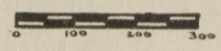
In addition to the above, a sum of $40.00 is required for the Diploma of Assistant Pharmacist, and $75.00 for the diploma of Licentiate in Pharmacy.

SUMMARY OF STUDENTS IN ATTENDANCE AT THE UNIVERSITY.

Session 1923-24.

Arts	719
School of Commerce	205
Applied Science	465
Medicine	652
Department of Pharmacy	52
Dentistry	133
Law	76
Agriculture	61
Music	85
School for Social Workers	26
School of Physical Education	58
School of Household Science	84
School for Graduate Nurses	48
Faculty of Graduate Studies and Research	110

Buildings and Grounds
-of-
Mc Gill University
Montreal



MOUNT ROYAL PARK

PARK

FLETCHERS FIELD

MAC DONALD

GRAND STAND

STADIUM

FIELD HOUSE

PATHOLOGICAL BUILDING

ROYAL VICTORIA HOSPITAL

PINE AVE.

UNIVERSITY ST.

OXENDEN AVE.

MEDICAL BUILDING

ROAD

CARLTON

PRINCE ARTHUR ST.

GREENHOUSE

POWER STATION

BIOLOGICAL BUILDING

LORNE AVE.

ST.

WESLEYAN COLLEGE

OBSERVATORY

ARTS BUILDING

MILTON ST.

PROPOSED NEW ENGINEERING BLDG.

PRESBYTERIAN COLLEGE

REDPATH MUSEUM

MACDONALD ENGINEERING BUILDING

JOINT THEOLOGICAL COLLEGES

DIOSCESAN COLLEGE

SHUTER

ST.

HOSTEL

CONGREGATIONAL COLLEGE

REDPATH LIBRARY

MACDONALD CHEMISTRY AND MINING BUILDING

MACDONALD PHYSICS BUILDING

TENNIS COURTS

MC. TAVISH ST.

ROYAL VICTORIA COLLEGE FOR WOMEN

Mc. CORD MUSEUM

PROPOSED GYMNASIUM AND DORMITORY

CONSERVATORIUM OF MUSIC

SHERBROOKE ST.

METCALF ST

MANSFIELD ST.

MC GILL COLLEGE AVE.

STRATHCONA HALL

VICTORIA ST

STUDENTS UNION

McGILL UNIVERSITY
—of—
Buildings and Grounds
MONTREAL
JAS. BRUCE
Mount Royal Park
Park
Stadium
Macdonald
Monument
Field

McGILL UNIVERSITY

MONTREAL



ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE

(INCLUDING THE DEPARTMENT OF PHARMACY)

FOR THE SESSION 1925-26

NINETY-FOURTH SESSION

MONTREAL:
Printed for the University by the Gazette Printing Company, Limited

1925

The following official publications are issued annually by the University and may be had on application to the Registrar:—

Announcements of Faculties and Departments as follows:—

Faculty of Arts and Royal Victoria College.

Faculty of Applied Science.

Faculty of Law.

Faculty of Dentistry.

Faculty of Medicine and Department of Pharmacy.

The Conservatorium of Music.

The School of Commerce.

Faculty of Graduate Studies and Research.

The School for Graduate Nurses.

The School for Social Workers.

The School of Physical Education.

Macdonald College Announcement.

General Announcement.

The Calendar.

The Annual Report.

Matriculation Examination Papers (Price, 25 cents).

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Governing Body of the University

Visitor

His Excellency Julian Hedworth George, Baron Byng of Vimy, G.C.B., G.C.M.G., M.V.O., Governor-General of Canada, etc.

Governors

Edward W. Beatty, Esq., B.A., LL.D., K.C., President and Chancellor.
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To retire September 30th, 1926.

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CALENDAR OF THE FACULTY OF MEDICINE FOR THE SESSION 1925-26

1925

Monday, Sept. 14	Supplemental Examinations begin. Register opens for students in Medicine.
Monday, " 21	Lectures begin.
Tuesday, Oct. 6	Founder's Day. Convocation for conferring Degrees. Opening address for the session.
Wednesday, " 7	Register closes for the session.
Friday, " 9	Sports Day. No lectures.
Monday, Nov. 9	Thanksgiving Day. No lectures.
Saturday, Dec. 19	Last day of lectures before Christmas.

1926

Monday, Jan. 4	Lectures resumed.
Monday, " 18	Second term opens.
Wednesday, Feb. 17	Ash Wednesday. No lectures.
Friday, April 2	Good Friday. No lectures.
Saturday, " 3	No lectures.
Wednesday, " 28	Lectures end.
Monday, May 3	Examinations begin.
Friday, " 28	Convocation for Conferring Degrees.

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HISTORICAL SUMMARY

(Medical Faculty).

1821-1925

1744	James McGill, born October 6th (Founder's Day). Died 1813.
1801–02	Royal Institution for Advancement of Learning contemplated by Provincial Act of Parliament.
1811	Will by James McGill leaving landed estates and £10,000 to Royal Institution for Advancement of Learning for founding a University.
1818	Royal Institution for Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.
1821	Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Corner-stone of new Montreal General Hospital laid.
1822–24	Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.
1829	Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.
1831	Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.
1832	Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.
1833	First University degree conferred in Medical Faculty upon W. Logie.
1836–37	Faculty removed to building next to present Bank of Montreal.
1840	Faculty removed to St. George Street.
1842	Arts Building erected on University grounds, where medical lectures were held 1845-51.
1852	Faculty removed to Coté Street.
1855	Sir William Dawson appointed Principal.
1860	Geo. W. Campbell appointed Dean, serving till 1882.

1872	First independent Medical Faculty building on University ground.
	Graduation of William Osler.
1882	Geo. W. Campbell Memorial Fund for Medical Faculty.
	Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona).
	R. P. Howard appointed Dean.
1885	New laboratories erected in Medical Building (Lord Strathcona).
1889	Robert Craik appointed Dean—George Ross, Vice-Dean.
1893	Sir William Peterson appointed Principal.
	Pathological Laboratory erected (John H. R. Molson).
	Chairs of Hygiene and of Pathology endowed (Lord Strathcona).
	Mrs. Mary Dow Endowment Fund presented to Medical Faculty.
1894	Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).
1898–01	Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona).
	Joseph Morley Drake Chair of Physiology founded.
1901	Thomas G. Roddick appointed Dean.
1906	Alexandra Hospital for Infectious Diseases opened.
1907	Medical Building partly destroyed by fire.
1908	F. J. Shepherd appointed Dean.
1909–11	New Medical Building (as at present) erected. (Lord Strathcona).
1911	Robert Reford endowment of Department of Anatomy.
	Arthur A. Browne Memorial Fund for Research established.
	Dr. James Douglas lectureship in Pathology founded.
	Dr. James Douglas lectureship research fellowship in Pathology founded.
1912	Eddie Morrice Laboratory of Pharmacology opened (D. Morrice).
	James Cooper Endowment Fund established for Internal Medicine.
1914	H. S. Birkett appointed Dean.
	No. 3 General Hospital organized for Overseas service.
	New Foundling Hospital opened.
1916	Ross Memorial Pavilion opened by H.R.H. Duke of Connaught.
1917	Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William MacDonald bequeathed $100,000 to Medical Faculty.

1919 Sir Auckland Geddes appointed Principal.

1920 Sir Arthur Currie appointed Principal.

Dr. J. W. Scane appointed Assistant Dean.

Sir William Osler's Medical Library bequeathed to McGill University.

1921 Centenary Celebration.

Friends and Graduates of McGill donated $4,000,000 to University.

Province of Quebec donated $1,000,000 to University.

Rockefeller Foundation granted $1,000,000 to Medical Faculty.

F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.

Geo. E. Armstrong appointed Dean.

New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.

C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave $500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.

Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.

FACULTY OF MEDICINE

The ninety-fourth session of the Faculty will open on September 21st, 1925.

ENTRANCE REQUIREMENTS

A candidate for admission to the First Year in the Faculty of Medicine must present satisfactory evidence that he has completed two full years in the Faculty of Arts of any recognized University, or its equivalent, including lectures and laboratory work in:—

Chemistry (inorganic and organic), two years.
Physics, one year.
Biology, one year.

Courses specially designed to meet these requirements are offered in the Faculty of Arts of this University, where a student may take the two years of study required, or, if qualified (by Senior Matriculation or otherwise) may enter the Second Year, which comprises courses in Chemistry, Physics and Biology especially suited to the needs of prospective students in Medicine.

Intending students who wish to enter by certificate should under no circumstances come to the University without having obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. When a diploma or certificate does not show the marks obtained in the several subjects of the examination, it must be accompanied by an official statement containing this information.

APPLICATION FOR ADMISSION

Applications for admission to the Faculty of Medicine should be made upon the regular application form and addressed to the Secretary of the Faculty of Medicine and should be accompanied by:—

1. An official transcript of the applicant's high school and college record, showing that he has fulfilled the entrance requirements of the Faculty.

2. Two letters of recommendation as to character and general fitness, preferably from teachers of the pre-medical sciences under whom he has studied.

3. A small unmounted photograph of the candidate.

The number of students in each class is limited and applications will be received up to July 1st.

If the applicant be accepted he will be expected to pledge himself to enter the Faculty of Medicine in September; othrwise his place will be given to another eligible candidate.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Secretary of the Faculty an official statement of his preliminary education and of the course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

PHYSICAL EXAMINATION, VACCINATION AND HEALTH

In order to promote as far as possible the physical welfare of the student body, every student coming to the University for the first time will be required to pass a physical examination to be conducted by, or under the direction of, the Director of the Department of Physical Education, or by a recognized representative. Students of the Second Year, as well as those of all years who wish to engage in athletic activities, are also required to be physically examined. The hours for this examination will be announced at registration.

By such examination, physical defects and weaknesses may be discovered. If such defects and weaknesses are amenable to treatment by corrective gymnastics, special exercise will be prescribed and instruction provided. The student will be advised as to what forms of exercise will be likely to prove beneficial or harmful.

Students who do not present themselves for the medical examination (or otherwise satisfy the Director) before November 1st, will not be allowed to attend the University.

Re-examinations will be held frequently throughout the session for those students who are of low category, or who are suffering from physical disabilities.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination, failing which, they shall at once be vaccinated, in a manner satisfactory to the medical examiner.

All students in good standing who are taking a course of study held to be sufficient by a special committee of the Faculty in which they are enrolled will be allowed to take part in athletics, subject, however, to the general regulation regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several professors and lecturers, shall be considered as sufficient ground to disqualify a student from engaging in athletic contests.

During the session and including the Christmas holidays, all teams and individual *students desiring to participate in "outside"* athletics* must first apply to the Captain or Manager of the club concerned, who must secure the permission of the Athletic Manager, by whom all such sanctions are granted.

Should any student take part in any athletic contest not having been sanctioned as above, or who is not personally qualified under the regulations regarding eligibility, medical examination, etc., such student shall be immediately debarred from participation in all University athletics. He shall be reported to the Athletic Board, which body shall, if it sees fit, request the offender to withdraw from the University, if the consent of the Principal has been given, until Corporation shall meet to deal with the matter.

(For further regulations see handbook published by the Athletic Board.)

Provision is made by the Department for the care of the health of undergraduate students during the session. Hospital accommodation is provided for seven days only, when requisitioned for by the Department, except under special circumstances. A leaflet concerning this service and the general work of the Department, together with the regulations governing athletics, will be distributed at the opening of the session.

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*Outside athletics is interpreted to mean the athletics over which the Athletic Board of the University or the Canadian Intercollegiate Athletic Union does not have control.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office for the session 1925-26 on September 14th to September 19th, 1925. Those who wish to register after September 21st will be required to pay a fee of $5.00 during the first week of the session and $10.00 during the second week before they will be allowed to do so. This fee will not be refunded except for satisfactory reasons and by the authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

All students must register with the University Registrar before paying their fees.

1. Fees are due and payable to the Bursar on September 24th and 25th. They may be paid by cheque, which should be mailed, so as to reach the Bursar by the date named.

Fees will also be accepted before September 21st.

Students who pay by instalments will be required to pay the second instalment on or before February 1st.

After September 25th or February 1st (in the case of those who pay by instalments) an additional fee of $2.00 will be exacted of all students in default.

2. Immediately after September 28th, or February 5th (in case of students who pay by instalments), the Bursar shall send to the Dean of the Faculty a list of the registered students who have not paid their fees, on receipt of which he shall cause their names to be struck from the register of attendance, and such students cannot be re-admitted to any class except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

3. Students registering after September 25th shall pay their fees at the time of registration, failing which they become liable for the additional fee of $2.00 exacted of students in default.

4. The total Faculty fees for the medical course of five full sessions, including clinics, laboratory work, dissecting materials and reagents, will be *one thousand and twenty-five dollars,* payable in five annual instalments of $205.00 each.

At the request of the students themselves and by the authority of Corporation, an additional fee of $17.00 will be exacted from all men undergraduates, for the support of the Literary Society, the Undergraduates' Society, the Canadian Club, the Union, the McGill Daily, and athletics.

Women students are required to pay, in addition to the tuition fees, $3.00 for athletics and athletic grounds, $2.50 for the Women Students' Society and $1.50 for the McGill Daily.

The sum of $10.00 is collected from all students at the time of registration as "caution money," from which deductions for breakage reported from the laboratories or lecture rooms are made and a refund granted at the close of the session.

5. Partial students will be admitted to one or more courses on payment of special fees.

6. Students repeating the course of study of any academic session are not required to pay full fees. A fee of one hundred dollars will be charged, which will include dissecting material, chemical reagents, laboratory fees, etc.

7. Students taking out extra dissecting material will be charged at the rate of $10.00 for a half session, and $20.000 for a whole session.

8. An *ad eundem* fee of $10.00 is charged students entering from another university in any year above the first.

9. When the degree of Doctor of Medicine and Master of Surgery is conferred in absentia, a fee of twenty dollars will be charged, unless the candidate has been specially exempted by the Faculty.

10. The fee for the graduate course in Public Health, including laboratory fee, the fee for outdoor work and the diploma fee, is $100.00.

SUMMARY OF FEES

Sessional fee		$205.00
By Instalments:		
First instalment, if paid before Sept. 28th	$104.00	
Second instalment, if paid before February 5th	104.00	
Microscope, first instalment (on deferred payment plan)	35.00	35.00
Caution money (deposit)	10.00	10.00
Fee for Union, athletics, etc.	17.00	17.00
	$270.00	$267.00

MICROSCOPES

Each student is required to provide himself, on beginning his studies, with a first-class microscope for laboratory and private study throughout his course. The Faculty will supply the instruments necessary for demonstrations, etc. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6 and 1/12 oil immersion objectives, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

Should the student not be provided with such a microscope, he may purchase a new guaranteed instrument through the Bursar's office of the University for the sum of $120.00 or on the deferred payment plan, by which payment is spread over five years as follows:—First Year, $35.00; second year, $27.50; third year, $25.00; fourth year, $22.50; fifth year, $15.00.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the home of the Student Christian Association of McGill University. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to the City met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive.

Information about boarding and lodging houses may be had on application to the Secretary at Strathcona Hall. A list of suitable houses is prepared about a fortnight before the opening of the session each year. Owing to frequency of change, this list is not mailed.

Board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from $60 and upwards per month; or, separately, board at $45 to $55 per month, rooms from $15 to $20 per month.

Board is furnished in the McGill Union at low rates. The dining room, which is a special feature of the Union, will accommodate over 120 students at a time. There is also a lunch counter where meals are served *à la carte*.

2. APPROXIMATE ESTIMATE OF COST OF COURSE

	Minimum	Moderate
Tuition Fees	$205.00	$205.00
Fee for Athletics, Union, etc.	17.00	17.00
Board and Lodging	460.00	560.00
Books, Instruments, etc.	150.00	170.00
	$832.00	$952.00

It will be noticed that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc., nor yet of the caution money deposit of $10.00 which is made by each student at the commencement of the session. It might be well also to reckon on at least $20.00 to $25.00 per annum for subscriptions of various kinds.

The expense under the head of "Books and Instruments" can be reduced by purchasing these at second-hand.

EXAMINATIONS

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

Class examinations are held during the session in each of the First Year subjects, the marks therefor being added to the total marks obtained at the final examinations.

Any student of the First Year whose work at the end of the first term is judged to have been unsatisfactory may be asked to leave the University.

If the standing obtained by any student in the class examinations is not satisfactory, he shall not be permitted to take the final examinations.

A minimum of 50 per cent. in each subject is required to pass.

The work of one session must be completed and all examinations passed before a student is permitted to advance to the next.

Students who fail at the regular examinations in not more than two subjects may, at the discretion of the Faculty, be allowed to take the supplemental examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Students who fail to pass in a subject in which practical work is required may be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the Final Year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

A student who, after being registered in the First, Second, Third or Fourth Year for two successive sessions, fails to qualify for advancement, or who, after being registered in the final year for two successive sessions, fails to qualify for the degree, shall not be permitted to register again as a student of Medicine in the University.

Applications for supplemental examinations must be in the hands of the Secretary of the Faculty at least three days before the day set for the beginning of the examination, and they must be accompanied by a fee of $5.00 for each subject. This fee is payable to the Bursar.

MEDALS, PRIZES AND FELLOWSHIPS

The Holmes Gold Medal, founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze medal and the money equivalent of the gold medal.

The Wood Gold Medal, founded by Casey A. Wood, M.D., awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical examinations of the Final Year. The winner of the Holmes Medal and the winner of the Final Prize are not permitted to compete for this medal.

The Sutherland Gold Medal, founded in 1878 by the late Mrs. Sutherland, in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in general and medical chemistry, together with a creditable examination in the primary branches. The examination is held at the end of the Third Year.

The Final Prize.—A prize in books, awarded for the best examination, written and oral, in the final year. The Holmes and Wood medalists are not permitted to compete for this prize.

The Joseph Hils Prize. (Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.).—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Clinical Therapeutics.

The Fourth Year Prize.—A prize in books, awarded for the best examination, written and oral, in all the branches of the Fourth Year course.

The Third Year Prize.—A prize in books, awarded for the best examination, written and oral, in the branches of the Third Year.

The Joseph Morley Drake Prize. (Founded by the late Joseph Morley Drake, M.D.)—A microscope, to be awarded to the student of the Fourth Year who obtains the highest number of marks for the examinations in Pathology and Bacteriology.

The Second Year Prize.—A prize in books for the best examination in all branches of the Second Year course.

The First Year Prize.—A prize in books for the best examination in all branches of the First Year course.

The A. A. Browne Memorial Fellowship.—The sum of $10,000 has been received by the Faculty from the committee of the A. A. Browne Memorial Fund. With this sum a fellowship has been established, to be known as the "A. A. Browne Memorial Fellowship." This fellowship is open to graduates of any recognized Medical School and is for the advancement of medical science, special preference being given to the subjects of obstetrics and gynæcology.

The James Douglas Research Fellowship.—The sum of $25,000 has been received from Dr. James Douglas, of New York, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

The James Douglas Studentship.—A studentship in patholgy, given by Dr. James Douglas, of New York, open to McGill graduates only, tenable for six years and of the value of $1,250 for the first year, increasing to $2,500.

The James Cooper Fund for the Study of Internal Medicine. This fund of $60,000 was donated in 1912 by the will of the late James Cooper of Montreal to promote research and to improve teaching in the Department of Medicine.

The John McCrae Scholarship.—A scholarship of approximately $600, founded in 1918 as a yearly donation by Mr. H. J. Fuller, of New York, in memory of the late Lt.-Col. John McCrae, for the purpose of scientific research in Experimental Surgery. Established in 1920 by Mr. Fuller and the Canadian Fairbanks-Morse Company as a permanent scholarship.

The Walter J. Hoare Memorial Scholarship.—A sum of money has been donated by Dr. Charles W. Hoare, a graduate of McGill University, as a Scholarship in the First Year Medicine, in memory of his son, Walter J. Hoare, who was killed in the Great War. This Scholarship is open to pupils of the Collegiate Institute, Windsor, Ontario, and is awarded each year for the best examination for matriculation in the Medical Faculty of McGill University.

The John W. Flinn Research Fellowship.—In 1921 Dr. John W. Flinn, of Prescott, Arizona, gave the sum of $5,000, to be paid in five equal annual instalments of $1,000, this sum to be used for the assistance of medical research in tuberculosis.

The Hiram N. Vineberg Scholarship in Gynæcology, of the value of $250.00 per annum, donated in 1924 by Dr. Hiram N. Vineberg, of New York, a graduate of McGill University, 1878.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University, must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the five years of the Medical course.

5. He must have attended during at least twenty-four months the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have reported at least ten medical and ten surgical cases.

6. He must also have attended during one full session the practice of the Montreal Maternity or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered, under direction, at least six anæsthetics and have assisted at not less than six autopsies.

8. The following oath or affirmation will be exacted from the candidate before receiving his degree:—

Ego, A—— B——, Doctoratus in Arte Medica titulo jam donandus, Sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum persevaturum; tum porro artem medicam caute; caste et probe exercitaturum et, quod in me est, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum; quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

REQUIREMENTS FOR LICENSE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements and in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in the several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. In order that disappointment and loss of time may be avoided upon graduation it is, therefore, strongly advised that students should register with the licensing body of their home province before beginning their medical course. In any case they must be registered not later than the end of the First Term.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC.—Dr. J. Gauvreau, 364 St. Catherine Street E., Montreal.

ONTARIO.—Dr. H. Wilberforce Aikens, 170 University Ave., Toronto, Ont.

NEW BRUNSWICK.—Dr. S. H. McDonald, 56 Colborne St., St. John, N.B.

NOVA SCOTIA.—Dr. W. H. Hattie, Halifax, N.S.

PRINCE EDWARD ISLAND.—Dr. James Warburton, Kent Street, Charlottetown, P.E.I.

NEWFOUNDLAND.—Dr. T. Mitchell, St. John's Nfld.

MANITOBA.—Dr. J. E. Coulter, 604 Boyd Bldg., Winnipeg, Man.

ALBERTA.—Dr. George R. Johnston, Calgary, Alta.

SASKATCHEWAN.—Dr. A. MacG. Young, Saskatoon, Sask.

BRITISH COLUBIA.—Dr. A. P. Proctor, Vancouver, B.C.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the license of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of said province.

Full information may be obtained by writing to the Registrar, Dr. R. W. Powell, 180 Cooper Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND ENREGISTRATION OF GREAT BRITAIN

The Matriculation Examination in Medicine of this University is accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain. To obtain a license from the General Council it is necessary to pass one of the examining boards of Great Britain in both primary and final subjects.

Detailed information may be obtained from one of the three registrars: Henry E. Allen, B.A., 299 Oxford Street, London; James Robertson, 54 George Street, Edinburgh; Richard J. E. Roe, 35 Dowson Street, Dublin.

RECIPROCITY WITH GREAT BRITAIN

The General Council of Medical Education and Enregistration of Great Britain has entered into reciprocal relations with the Medical Boards of the Provinces of Quebec, Ontario, Nova Scotia, New Brunswick, Prince Edward Island, Saskatchewan, Manitoba, and Alberta. A holder of a degree in Medicine of McGill University who has obtained the license of the Province of Quebec, may register with the Medical Council of Great Britain, and will be able to practise in Great Britain, South Africa, Australia, India and the West India Islands without further examination.

UNDERGRADUATE COURSES

1. THE MEDICAL COURSE

The course leading to the degree of M.D., C.M., consists of five sessions of eight months each, the subjects being arranged as follows:—

First Year

Anatomy	360 hours
Histology and Embryology	180 "
Physiology	150 "
General Physiology	60 "
Normal Psychology	20 "
Introduction to Public Health and Preventive Medicine	30 "

Second Year

Anatomy (including organogenesis)	360 hours
Biochemistry	270 "
Physiology	180 "
Bacteriology	120 "
History of Medicine	15 "

Third Year

Medicine	150 hours
Surgery	150 "
Pathology	150 "
Pathological (Clinical) Chemistry	60 "
Clinical Microscopy	60 "
Hygiene	90 "
Pharmacology	150 "
Abnormal Psychology	30 "

Fourth Year

Medicine (including Pediatrics, Neurology, Psychiatry and Dermatology)	350 hours
Surgery (including Orthopedic Surgery and Urology)	300 "
Obstetrics and Gynæcology	60 "
Pathology	105 "
Clinical Therapeutics	30 "
Medical Jurisprudence	40 "

Fifth Year. (Hospital Year)

The session is divided into three trimesters of nine weeks each and a final Optional Period of four weeks (during the month of April).

During the three trimesters the time is devoted almost entirely to hospital work, the students acting as clinical clerks and concentrating in Medicine in one trimester, in Surgery in another and in Obstetrics, Gynæcology and the specialties in a third. At the end of each trimester there is a clinical examination.

Theatre clinics in Medicine and Surgery are attended by all students throughout the whole session.

During the last four weeks of the session the work of the student will depend upon the standard he has attained in the trimester clinical examinations.

(a) Those students who have attained a sufficiently high grade in these examinations while carrying the theatre clinics in Medicine and Surgery will be permitted to elect the subjects which they will study during this period.

(b) Those students who fail to attain the necessary grade in the trimester clinical examinations will be required, in addition to the theatre clinics in Medicine and Surgery, to pursue further work in the regular sessional subjects, especially in those subjects in which they are weak.

2. DOUBLE COURSES IN ARTS AND MEDICINE

B.A., M.D.

The degrees of B.A. and M.D. may be obtained in eight years.

The first three years are taken in the Faculty of Arts, Physics being taken in the First Year, Chemistry 1 in the Second Year and pre-medical Biology and Chemistry in the Third. This is followed by the regular five-year course in the Faculty of Medicine, the B.A. Degree being granted on completion of the first medical year.

B.Sc., M.D.

The degree of B.Sc. and M.D. may be obtained in eight years. Students who wish to proceed to advanced work in physiology, biological chemistry, pharmacology or allied subjects can qualify by taking the first four years of this course.

First Year

English 1 and 2, German 3, Mathematics 1, Physics 1, Chemistry 1, French 16.

Second Year

German 4 *or* **French 2, Physics 2, Botany 2, Zoology** (premedical)), **Chemistry 3.**

Third Year

Chemistry 2 and 4, General Physiology (as in First Year Medicine), **Zoology 4 and 7, Physics 3A, Botany 4, Histology and Embryology** (as in First Year Medicine).

Fourth Year

Chemistry 7 and 10, Anatomy (as in First Year Medicine) *or* **Special Advanced Biology, Physiology** (as in First Year Medicine).

3. COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

The requirements for this degree are as follows:—

1. Honour standing in the examination in any two of the following subjects:—Anatomy (including Histology and Embryology), Physiology, Biochemistry, Pharmacology and Pathology.

2. In addition to the regular undergraduate courses in Medicine, 240 hours of specialized study in a third one of these subjects, under the guidance of the department concerned and approved by the B.Sc. (Med.) Committee. In the examinations in the special subject honour standing will be exacted.

Candidates are strongly recommended to acquire a reading knowledge of both German and French, and their attainments, as shown by their record in the class lists in the undergraduate course, must be distinctly above those of the average student.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—S. E. WHITNALL.
ASSOCIATE PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON.
ASSISTANT PROFESSOR OF ANATOMY:—I. MACLAREN THOMPSON.
ASSISTANT PROFESSOR OF HISTOLOGY:—F. SLATER JACKSON.
LECTURER IN HISTOLOGY:—W. M. FISK.
LECTURER IN ANATOMY:—H. E. MACDERMOT.
SENIOR DEMONSTRATOR IN ANATOMY:—A. D. CAMPBELL.
DEMONSTRATOR IN HISTOLOGY AND EMBRYOLOGY:—IVAN PATRICK.

DEMONSTRATORS:—
F. N. K. FALLS.
G. A. FLEET.
J. G. W. JOHNSON.
H. BRUCE MALCOLM.
L. H. MCKIM.
T. M. RICHARDSON.
A. ROSS.
W. W. RUDDICK.
A. STEWART.
F. J. TEES.
N. T. WILLIAMSON.

PROSECTOR:—MR. WILLIAM MUIR.

The student begins the study of Anatomy in the First Year of his course, and during this and the Second Year the whole body is dissected twice. The aim of this part of the course is to establish the essential foundations upon which the practice of medicine and surgery is based; the importance of the application to the living body of the knowledge gained in dissection is, therefore, emphasized throughout. During the Third and Fourth Years the subject is considered from the standpoint of its clinical bearing. Close co-operation between the anatomical, histological and embryological parts of the course is maintained during the whole four years.

First Year

1. Elementary Anatomy:—The student dissects the whole body, including the brain, aiming at a general knowledge of the form and relations of the systems and organs without detailed consideration. Stress is laid upon the importance of function in determining form and structure, and the osteology and surface anatomy are studied concurrently. Whole session, 330 hours.

Text-books:—Gray's "Anatomy" (English edition); Walmsley's "Practical Anatomy."

2. Histology and Embryology:—A course of lectures and practical work on the general problems of development and on the early stages of development of the human embryo and a detailed study of the microscopic structure of the tissues and organs of the human body. Whole session, 180 hours.

Text-book:—Jordan, "Text-book on Histology."

Reference books:—Kellicott, "Text-book of General Embryology"; Bailey and Miller; Prentiss and Arey, "Text-book of Embryology."

Second Year

3. Advanced Anatomy:—The whole body is dissected for the second time and in detail. In this year regional and cross-section anatomy receive special attention and, in correlation with course 4, the nervous system and sense organs are further studied.

Whole session, 360 hours.

Text-books:—As before.

4. Organogenesis:—The development of the organs and systems of the human body, co-ordinating with course 3.

Whole session, 60 hours.

Text-book:—Bailey and Miller "Text-book of Embryology."

Reference:—"Reference Handbook of Medical Sciences," new edition, 1922, Keibel and Hall.

Dictionary:—Every student is advised to provide himself with a good medical dictionary as an essential part of his text-book equipment. Any one of the following may be recommended:—Stedman, Dorland, Gould, Lippicott's, American.

Post-Graduate Study

Material and preparations for post-graduate study are always available, and a special effort will be made to assist graduates in the investigation of any part of the subject in which they are interested. Special courses are given in Ophthalmology and Oto-Laryngology.

Physical Anthropology

The Department is prepared to give a course of special instruction in the methods and application of this subject.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

PROFESSOR:—A. B. MACALLUM.

ASSISTANT PROFESSOR:—S. W. BLISS.

DEMONSTRATORS:— { H. L. CAMERON. J. C. FORBES.

LECTURERS ON PATHOLOGICAL CHEMISTRY:— { E. H. MASON. I. M. RABINOWITCH.

There will be given two courses in the Session 1925-26, one of 270 hours to the class of the Second Year and a second of 80 hours to the class of the Third Year.

The course for the Second Year will be given throughout the Session and will involve three lectures and six hours of laboratory exercise per week. The lectures, during the first half of the session, will deal with the chemical constitution, the physical and other characters and the relationships of the products of the activities of living matter, carbohydrates, fats, proteins, urea, ureides, purins, etc., and in the second half will involve an extensive discussion of (a) the origin, character, and the active properties of the various ferments of the digestive tract; (b) the chemical and physical processes involved in, and the products resulting from, the digestion, absorption and assimilation of the foodstuffs, in the human body; (c) The intermediate and ultimate products of metabolism, and (d) the chemistry of the tissues and of blood, bile and urine.

In the laboratory course the exercises will deal with the practical side of the subjects treated in the lecture course, such as the digestion of starch, fats and proteins, the absorption and assimilation of fats, the metabolism of the carbohydrates absorbed, and of the products of protein digestion. Especial attention will be given to the methods of the qualitative determination of the more important metabolites, such as urea, uric acid, creatine, creatinine, etc.

In addition to the written and practical examination exacted of each student in this course, oral examinations will be held and the results thus obtained will, with those from the written and practical tests, serve to determine the standing of the student in the class list in Biochemistry for the year.

The course given in the Third Year will be devoted to Pathological Chemistry and will involve twenty lectures and sixty hours of laboratory exercises. It will deal with the metabolism in febrile conditions, deficiency diseases, diabetes, nephritis, hepatic disorders, etc. The laboratory exercises will cover the more exact methods of the determination of the constituents of the blood and urine in health and disease. On this course will be based the award of the Sutherland Medal.

Text-books:—Cole, "Practical Physiological Chemistry"; Halliburton, "Essentials of Chemical Physiology"; Plimmer, "Practical Organic and Biochemistry"; Folin, "Laboratory Manual of Biological Chemistry"; Hawk, "Practical Physiological Chemistry."

Reference:—Robertson, "Principles of Biochemistry"; Von Fürth, "Chemistry of Metabolism"; Bayliss, "Principles of General Physiology."

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR AND DIRECTOR OF EXPERIMENTAL MEDICINE:—JOHN TAIT.

ASSISTANT PROFESSSOR:—N. GIBLIN.

LECTURER:—G. J. CASSIDY.

DEMONSTRATORS:— H. E. BURKE. W. F. EMMONS.

In this department special provision is made not only for undergraduate but also for graduate instruction. There are full courses in Physiology proper for all undergraduates. For graduate purposes Physiology has been linked up with Experimental Medicine, and the department, working in intimate association with the hospital wards, forms the headquarters for research in clinical problems along instrumental or "experimental" lines. At the same time the available graduate instruction is not confined to the immediate medical applications of Physiology, provision being made for dealing with the science in some of its wider biological implications.

A. UNDERGRADUATE COURSES IN PHYSIOLOGY.

First Year

1. *Lectures:*—In this course, which coincides with the instruction in elementary anatomy and histology, the simple uses of the various parts of the body are expounded in relation to minute structure and in terms of experiment.

2. *Laboratory:*—Students work in pairs. The course comprises experiments on blood, on connective and epithelial tissue, on muscle, nerve, heart, blood-vessels and central nervous system. Frog material is largely used for the latter part of this course.

Class book:—Schäfer's "Experimental Physiology."

Second Year

3. *Lectures:*—With a view to medical applications the subject-matter of the previous lectures is reviewed in greater detail, the inter-relations of parts being brought out by consistent cross-reference. On suitable occasion comparative as well as historical methods of treatment are adopted. The intrinsic mechanism apart from the simple uses of individual elementary structure is subjected to preliminary discussion, while the phenomenon of regulation is also presented with examples.

Text-books:—Howell, Stewart, Starling.

4. *Laboratory:*—Students work for the most part in groups. The course includes mammalian operative work, and also observations on the human subject with clinical and other apparatus.

Class book:—Sherrington's "Mammalian Physiology."

5. *Hospital Clinics:*—Along with the formal instruction in physiology, clinical demonstrations are given in the hospital theatres on patients. The object of these demonstrations is to show the relation of physiology to symptoms of disease in the human subject.

B. Graduate Instruction in Physiology and in Experimental Medicine

Some of the following courses, which were originally designed for B.Sc. (Med.), for M.A. for M.Sc. and for Ph.D. candidates, are open to Honours optional students (as a reward for special application to study) and to the clinical teachers of the school.

6. *Special Lectures in Physiology:*—In this course, adapted to meet the requirements of clinicians, particular aspects of physiology are selected from year to year for special treatment. The lectures are open to clinical teachers, to Honours and to graduate students.

7. *Physiological Clinics:*—These are bedside lectures and demonstrations conducted in connection with Experimental Medicine. The cases which form the basis of these clinics are prepared by the Scholars in Experimental Medicine.

8. *Blood and Circulation:*—This course includes lectures, laboratory work and demonstrations. The following questions receive consideration:—Life-history of the corpuscles, hæmoglobinometry, hæmocytometry, hæmolysis, blood transfusion, coagulation and arrest of hæmorrhage, cytology of the cerebro-spinal fluid, methods of recording pulse and blood pressure, electrocardiography and experiments on the excised heart and vessels.

9. *Structure and Function:*—This course includes a review of modern work in biology in which structure, whether of the developing or of the adult animal, has been investigated by experimental means. The aim is to show the scope and place of physiology and of physiological method in relation to such problems. A special study is made of structural adaptations to physically new environment.

10. *Physiological Colloquium:*—This meets weekly and is limited to those engaged in research in the department.

11. *Tutorial Class:*—This class is held in connection with advanced graduate reading.

RESEARCH WORK

For particulars and facilities relating to research work in physiology and experimental medicine, and for subjects of theses required in connection with the degree of M.A., M.Sc., Ph.D. and D.Sc., application should be made to the professor. See also Announcement of the Faculty of Graduate Studies and Research.

STUDENTS' PHYSIOLOGICAL SOCIETY

Both undergraduate and graduate students will find it of advantage to become members of the Students' Physiological Society. In addition to the privilege of hearing from time to time addresses on special departments of the subject, members are entitled to consult and to borrow books of the library of the Society, which contains many standard text-books and special works.

GENERAL PHYSIOLOGY

PROFESSOR OF BOTANY:—FRANCIS E. LLOYD.

ASSISTANT PROFESSOR OF BOTANY:—GEO. W. SCARTH.

On the structure, properties and behaviour of protoplasm. Sixty hours during the First Year.

Reference books:—Verworn, General Physiology (translation by Lee); Bayliss, Principles of General Physiology; Bechhold, Colloids in Biology and Medicine (translation by Bullowa); McClendon, Physical Chemistry of Vital Phenomena.

PATHOLOGY AND BACTERIOLOGY

STRATHCONA PROFESSOR:—HORST OERTEL.

ASSOCIATE PROFESSOR OF PATHOLOGY:—L. J. RHEA.

ASSISTANT PROFESSOR OF BACTERIOLOGY:—A. A. BRUÈRE.

ASSISTANT PROFESSOR OF PATHOLOGY:—T. R. WAUGH.

LECTURERS:—C. T. CROWDY. J. W. SCOTT.

LECTURER AND DOUGLAS FELLOW:—A. L. WILKIE.

ASSISTANTS AND DEMONSTRATORS:—W. R. FLETCHER. T. JONES. C. S. THOMPSON. G. B. ZUMSTEIN.

TECHNICAL ASSISTANTS:—E. L. JUDAH, *Curator of Museum and Museum Laboratory.* B. THOMLINSON, *Head Technician in Pathology.* J. JAMES, *Technician in Bacteriology.* J. PARTRIDGE, *Technician in Pathology.* C. BORMICI, *Technician in Pathology.*

PATHOLOGY

A. SYSTEMATIC COURSES

1. The historical, philosophical and scientific foundations of pathology; the historic evolution of the conception of disease, its relation to other sciences and to philosophy; the hereditary foundations and the subjective and external causes of disease; the individual development of disease; the anatomic-histological lesions and their explanations; general somatic death. Lectures and demonstrations twice weekly throughout the session. Third Year.
Pathological Institute.....PROFESSOR OERTEL.

2. Special pathology and pathological anatomy; lectures on the diseases of the more important systems and organs, followed by demonstrations. Includes the circulatory, respiratory, digestive and renal systems. Two hours weekly, throughout the session.
Pathological Institute.....PROFESSOR OERTEL AND DEMONSTRATORS.

3. The diseases of the blood and of the blood-forming organs. Lectures and demonstrations, once weekly. First term. Fourth Year.

Pathological Institute.....Professor Waugh.

4. The nervous system and the important glands of internal secretion. Once weekly. Second term. Fourth Year.

Pathological Institute.....Dr. Wilkie.

B. PRACTICAL COURSES

5a. Laboratory course in general Pathological Anatomy and Histology. Five hours weekly. Second term. Third Year.

Pathological Institute.....Professor Oertel and Demonstrators.

5b. Laboratory course in special Pathological Anatomy and Histology. One hour weekly. Second term. Fourth Year.

Pathological Institute.....Professor Waugh and Demonstrators.

6. Practical Pathology: Demonstrations and discussion of anatomical and bacteriological material in relation to clinical cases.

Montreal General Hospital.....Professor Rhea.

7. Practical course of Pathologico-anatomical methods and diagnosis. Once weekly.

Pathological Institute.....Professor Oertel.

8. Performance of Autopsies.

Pathological Institute....
Professor Oertel, Dr. Wilkie and Demonstrators.

Montreal General Hospital....
Professor Rhea, Dr. Scott and Demonstrators.

9. Clinical Pathological Conferences.

Montreal General Hospital.....Clinical and Pathological Staffs.

10. Pathological Research (open to graduates) by appointment.

Pathological Institute and Montreal General Hospital....
Professors Oertel and Rhea and Dr. Waugh.

11. Pathological Colloquium for advanced students. Two hours weekly.

Pathological Institute.....Professor Oertel and Staff.

12. Colloquium on the more important elementary chapters of Pathology. Once weekly.

Pathological Institute.....Dr. Wilkie.

Reference books:—Oertel, General Pathology; Virchow, Cellular Pathology; Cohnheim, Lectures on Pathology; Ziegler, Specielle Pathologie; Delafield and Prudden, Text-book of Pathology; Wells, Chemical Pathology.

BACTERIOLOGY

1. Laboratory course in bacteriology, with explanatory lectures and demonstrations, autumn term.

Pathological Institute.

PROFESSOR BRUÈRE, DEMONSTRATORS AND ASSISTANT DEMONSTRATORS.

2. Bacteriological and Immunological Research (open to graduates). Pathological Institute.

PROFESSOR OERTEL AND PROFESSOR BRUÈRE, by appointment.

Reference books:—His and Zinsser; Muir and Ritchie; Jordan; McFarland; Mallory and Wright.

GRADUATE COURSES FOR HIGHER DEGREES

Courses 1, 5 and 10 in Pathology and 2 in Bacteriology are open to graduates for higher degrees and students of other Faculties.

PARASITOLOGY

During the session 1925-26, temporary arrangements will be made under the combined Chairs of Hygiene, Pathology and Clinical Medicine for a course of lectures and demonstrations in Parasitology, to deal with the more important features of this special line of work.

Demonstrations of special methods used in the study of animal parasites will be given in the Laboratories from time to time.

References:—Manson, Tropical Diseases (London, 7th Edition, 1921); Stitt, Practical Bacteriology, Blood Work and Animal Parasitology (Philadelphia, 6th Edition with Clinical Notes, 1921); Chalmers and Castellani, Manual of Tropical Medicine (London, 3rd Edition, 1919); Byam, The Practice of Medicine in the Tropics (London, 1921).

PHARMACOLOGY

PROFESSOR:—R. L. STEHLE.

ASSISTANT PROFESSOR OF THERAPEUTICS:—D. S. LEWIS.

LECTURERS:— S. M. ROSENTHAL. WESLEY BOURNE.

LECTURER IN IMMUNOLOGY:—FRASER B. GURD.

LECTURERS IN PHYSIO-THERAPY:— NORMAN BROWN. F. W. HARVEY.

LECTURER IN THERAPEUTICS:—D. GRANT CAMPBELL.

DEMONSTRATOR:—C. C. STEWART.

Third Year

Instruction will include a laboratory course correlated with systematic lectures, demonstrations and conferences. The action of drugs and poisons upon normal and abnormal organisms is considered. The course includes: general principles (absorption, excretion, mode of action, tolerance, hypersensitivity, synergism, antagonism and relation of chemical structure to action); etiotropic action (antiseptics and specific chemotherapy); organotropic action (effects of drugs upon nervous, digestive, circulatory systems, etc., individual organs and internal metabolic processes). In addition the chemistry of drugs is considered in detail and a brief survey of pharmacy is included.

Fourth Year

Therapeutics:—A systematic lecture course is given on the principles of therapeutics and the applications of drugs in internal medicine, surgery, gynæcology and the specialties. Drs. Lewis and Bourne.

Fifth Year

Clinical Therapeutics:—In co-operation with the Department of Medicine. Ward classes and clinics in the Royal Victoria Hospital and Montreal General Hospital. Dr. Lewis and Dr. D. Grant Campbell.

Physio-Therapy:—Practical instruction by Dr. Harvey and by Dr. Norman Brown in the out-patient departments of the Montreal General and the Royal Victoria Hospitals.

Research

The department is located on the fifth floor of the new Biological Building and is especially equipped for investigation. Suitably prepared persons may undertake research at any time throughout the year.

Text-books:—Cushny, Sollmann, Dixon, Clark, Poulsson.

HIGHER DEGREES

Advanced courses leading to the degrees of B.Sc. (Med.), M.Sc., or Ph.D. are arranged to suit individual cases. See Announcement of Faculty of Graduate Studies.

HYGIENE

STRATHCONA PROFESSOR:—T. A. STARKEY.

ASSISTANT PROFESSORS:— { R. ST. J. MACDONALD. F. B. JONES.

The instruction in hygiene given to the medical undergraduates has been carefully designed to meet the requirements of the practitioner in medicine. It relates chiefly to the investigation of the causes of disease, the channels of transmission and the adoption of modern preventive measures—all problems which are likely to confront the medical man daily in the prosecution of his duties.

In order that the importance and usefulness of Public Health and Preventive Medicine may be understood, an introductory course of an elementary character will be given in the First Year. In addition to some theoretical lectures and demonstrations, the student will be brought into direct contact with health activities in the community.

Industrial Hygiene deals with the study of occupational diseases; insanitary conditions in factories, workshops and other industrial establishments, and any other environment connected with the work which may be likely to undermine the health of the workpeople; work and fatigue; general measures designed to preserve the health of the workmen, and to keep them fit and efficient, both inside and outside the works.

School hygiene forms another part of this course—bringing out the chief points connected with the scope of work and nature of duties of the School Medical Officer, a post so frequently undertaken nowadays by the general practitioner.

Numerous visits of inspection are made by the class to various places and establishments, chosen to illustrate the general principles of sanitation:—Housing and industrial establishments; schools, water and sewage works; refuse destruction; places dealing with food supplies, especially meats and milk; and welfare centres.

The Museum is completely equipped and contains full-sized working models and apparatus illustrative of the application of all hygiene principles.

An optional practical course more advanced than the one above referred to is open to students wishing to go into greater detail.

The laboratory is provided with all apparatus needed in every branch of public health work. Advanced students are furnished with separate quarters and with every facility for the prosecution of research work.

Text-books:—Parkes and Kenwood; Notter and Firth; Harrington and Richardson; Roseneau, Park.

See pages 64 to 65 for advanced and special courses, and qualifications in Hygiene: suitable for Medical Officers of Health, and others engaged in any branch of Public Health Work.

PARASITOLOGY

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Demonstrations of special methods used in the study of animal parasites will be given in the Laboratories from time to time.

MEDICAL JURISPRUDENCE

PROFESSOR:—D. D. MACTAGGART.

In this course the criminal and civil aspects of legal medicine are taken up and fully discussed, also lunacy and its medico-legal aspects. Special attention is devoted to the subject of blood stains, the chemical, microscopic and spectroscopic tests for which are fully described and demonstrated, also the serum test for the detection of human blood. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearance and chemical tests. The post-mortem appearances are fully illustrated by specimens. Injuries are fully discussed, with reference to their significance, under the Workmen's Compensation Act and Accident Insurance.

Text-books:—Glaister; Buchanan; Mann. *Reference:*—Peterson and Haines; Taylor.

MEDICINE

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—JONATHAN C. MEAKINS.

PROFESSORS:— C. F. MARTIN.
CAMPBELL PALMER HOWARD.
W. F. HAMILTON.

ASSOCIATE PROFESSOR:—A. H. GORDON.

ASSISTANT PROFESSOR AND ASSISTANT DIRECTOR OF THE UNIVERSITY MEDICAL CLINIC:—E. H. MASON.

ASSISTANT PROFESSOR:—I. M. RABINOWITCH.

LECTURERS:— H. B. CUSHING, J. KAUFMANN, D. S. LEWIS,
C. F. MOFFATT, C. A. PETERS, C. F. WYLDE.

DEMONSTRATORS:— C. C. BIRCHARD, C. R. BOURNE,
J. G. BROWNE, D. G. CAMPBELL,
KEITH GORDON, R. H. M. HARDISTY,
A. T. HENDERSON, C. R. JOYCE,
A. H. MACCALLUM, A. H. MACCORDICK,
J. F. MACIVER, D. W. MCKECHNIE,
T. A. MALLOCH, J. L. D. MASON,
D. L. MENDEL, LORNE MONTGOMERY,
E. V. MURPHY, E. E. ROBBINS,
COLIN SUTHERLAND J. J. WALKER,
J. C. WICKHAM.

ASSISTANT DEMONSTRATORS:— W. W. ALEXANDER, H. F. EBERTS,
W. C. GOWDEY, H. E. MACDERMOT.

The object of this course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and bio-chemistry with clinical medicine is emphasized—not only in the pre-clinical years but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded by the establishment of a modern university medical clinic at the Royal Victoria Hospital. In this institution and at the Montreal General Hospital there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals as well as by affiliation with other institutions.

Students must have followed up at least ten cases from their inception to a conclusion and be certified therefor.

Third Year

Instruction is given at the College and in Hospital as follows:

1. A short course of lectures on the general principles of medicine, emphasizing the bearing of earlier studies on clinical work.
2. Lecture demonstrations in the theatre on methods of examination of patients.
3. Practical instruction in groups at the bedside and in the out-patient department (2 weekly).
4. Clinical Microscopy.

Fourth Year

Instruction will consist of:—

1. Two didactic lectures weekly throughout the session on special topics of clinical medicine.
2. Five theatre clinics weekly.
3. Ward classes in groups.
4. Attendance in groups in the O.P. Department.
5. Clinico-pathological conferences.

Fifth Year

Hospital year. Each student becomes virtually a member of the externe staff.

He is allotted in turn to various services of the hospital in the capacity of clinical clerk, participating in the keeping of records, the diagnosis and treatment of patients in wards and out-patient departments and in the laboratory duties. He will accompany the physicians in their daily rounds, attend autopsies and report on them to his teachers.

Regular theatre clinics are given only in the major subjects.

With the present limitation of students it becomes possible to give the student a closer familiarity than hitherto with practical scientific medicine and its allied subjects of neurology, psychiatry and pediatrics.

PEDIATRICS

CLINICAL PROFESSOR:—H. B. CUSHING.

LECTURERS:—
- A. B. CHANDLER.
- F. M. FRY.
- L. LINDSAY.
- S. GRAHAM ROSS.
- R. R. STRUTHERS.

DEMONSTRATORS:—
- W. E. ENRIGHT.
- A. GOLDBLOOM.
- H. P. WRIGHT.
- C. F. WYLDE.

ASSISTANT DEMONSTRATORS:—
- W. E. WILLIAMS.
- R. C. STEWART.

Instruction is given in all the clinical years. Emphasis is laid on the relation of Pediatrics to Public Health and community problems in medicine.

An introduction to the subject is presented in the Third Year in the form of a series of clinics to groups of students on the physical examination of infants and children, and the variation of physical signs from those found in the adult.

In the Fourth Year, the instruction is given throughout the year, and is designed to cover the principles of pediatrics. The course consists of didactic lectures and theatre clinics in the hospitals, and deals with the peculiarities and development of children, the principles and theory of infant feeding, the general nursing and care of infants and older children, the diseases peculiar to both, and the differences in the manifestation and treatment of ordinary diseases of adults and children.

In the Fifth Year, the course is entirely clinical and practical; a series of clinics at the bedside, in the theatre and in the out-patient department is given to small groups of students. Students are required to study personally and to report cases in the various pediatric clinics, outpatient departments and health centres. Special attention is devoted to practical instruction in infant feeding and the care of the new-born and young infants. In this connection regular ward rounds for groups of students are arranged weekly in the Maternity Hospital.

Text-books:—Holt and Howland; Dennett; Feer; Still; Porter and Carter; Morse and Talbot; Koplik.

NEUROLOGY

CLINICAL PROFESSOR:—C. K. RUSSEL.
LECTURER:—F. H. MACKAY.
DEMONSTRATOR:—N. VINER.

A course on Applied Anatomy of the nervous system is given in the earlier years of study and students of the First and Second Years are introduced wherever possible to neurological patients who illustrate the anatomy and physiology of the nervous system.

In the Third Year a series of demonstrations is given on clinical methods of examining the nervous system, and some of the commoner diseases are studied.

Lectures and clinical demonstrations on neurology are given in the Fourth and Fifth Years of the course in the wards and theatre.

In the Final Year groups of students are taken into the wards and outpatient departments of the General Hospitals. The Psychiatric Clinic at the Royal Victoria Hospital furnishes examples of the various psychoses, the border line cases, and enables the student to become familiar with forms of mental defect, delinquency and allied conditions. The clinic deals, moreover, with patients sent for investigation from the charitable agencies of the city and co-operates with the work of the Canadian National Committee for Mental Hygiene.

A series of demonstrations on neuro-pathology is given in the laboratory.

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS.
LECTURERS:—W. T. B. MITCHELL. G. MUNDIE.
DEMONSTRATORS:—A. G. MORPHY. H. A. SIMS.

Instruction will be given in the Fourth and Fifth Years.

Fourth Year

A series of Didactic Lectures at the University and Clinical Demonstrations of the commoner psychopathic conditions.

Fifth Year

Clinical instruction in groups:—

1. At the Psychiatric clinic.
2. At the Mental Hospital (Verdun).

In all group instruction the student is taught methods of testing psychopathic cases, and of making detailed diagnoses, while the general and occupational therapy, etc., of such cases is dealt with in detail in the hospital services.

Text-books:—"Outlines of Psychiatry," White; "Clinical Psychiatry," Kraeplin; "Psychiatric Neurological Examination Methods," Wimmes Hoisholt; "Diseases of the Nervous System," Jelliffe and White (1923 Ed.).

PSYCHOLOGY

ASSOCIATE PROFESSOR:—J. W. BRIDGES.

An introductory course in Normal Psychology is given in the First Year, while in the Third Year a course of lectures is given on General and Abnormal Psychology, with special reference to the latter. Discussion will include the psychological principles underlying psychotherapy, relation of abnormal to normal mental life, mental hygiene, mental deficiency, intelligence tests and some reference to the psychology of insanity.

DERMATOLOGY

CLINICAL PROFESSOR:—G. G. CAMPBELL.

LECTURERS:— W. P. BURNETT. J. F. BURGESS.

DEMONSTRATOR:—C. R. BOURNE.

The course is entirely clinical, consisting of a weekly theatre clinic, at the Montreal General Hospital, on specially selected cases, and outdoor clinics, weekly, by Drs. G. G. Campbell, at the Montreal General Hospital, and W. P. Burnett, at the Royal Victoria Hospital, throughout the session. Lantern slides are made use of to illustrate the course; also a large series of coloured plates and photographs.

Text-books:—Stellwagon, Walker's Introduction to Dermatology, Hartzell, McLeod, Darier, Campbell, Shamberg, Sutton.

PARASITOLOGY

During the session 1925-26, temporary arrangements will be made under the combined Chairs of Hygiene, Pathology and Clinical Medicine for a course of lectures and demonstrations in Parasitology, to deal with the more important features of this special line of work.

Demonstrations of special methods used in the study of the animal parasites will be given in the Laboratories from time to time.

HISTORY OF MEDICINE

PROFESSOR:—SIR ANDREW MACPHAIL.

A course of fifteen lectures will be given upon the History of Medicine to inform undergraduates in the Faculty upon the progress of the science. It is the intention to examine the causes which produced the varying conceptions of medicine in times past, rather than burden the student with a narration of facts and a recital of biographies.

SURGERY

PROFESSOR AND DIRECTOR OF THE DEPARTMENT:—
E. W. ARCHIBALD.

PROFESSOR:—A. T. BAZIN.

ASSOCIATE PROFESSOR:—E. M. EBERTS.

ASSISTANT PROFESSORS:—W. L. BARLOW, C. B. KEENAN.

LECTURERS:—F. B. GURD, C. K. P. HENRY, F. E. MCKENTY, F. A. C. SCRIMGER, F. J. TEES.

LECTURERS IN ANÆSTHESIA:—W. G. HEPBURN, W. B. HOWELL.

DEMONSTRATORS:—GUY JOHNSON, L. H. MCKIM.

DEMONSTRATOR IN ANÆSTHESIA:—J. W. ARMSTRONG.

ASSISTANT DEMONSTRATORS:—G. A. FLEET, R. B. MALCOLM, ALBERT ROSS, A. STEWART.

To obtain greater uniformity and a better perspective, the department of Surgery and Clinical Surgery has been placed under one head, who has been given control of the teaching in the wards and out-patient departments of the two large hospitals.

Montreal, situated at the head of ocean navigation, and itself a large railroad and industrial centre, is noted for the large amount and varied character of its clinical material. Indeed, the teaching in surgery is largely clinical and practical. In the Montreal General and Royal Victoria Hospitals there are between five and six hundred beds and also large out-patient departments.

Third Year

During the Third Year, students are instructed in the out-patient department. They are brought in immediate contact with the patient, and taught how to make an examination, how to get a correct history, how to differentiate the abnormal from the normal, how to apply their

anatomy, to dress wounds, arrange and apply splints, and to reduce the simpler fractures and dislocations. This is a valuable training, as the conditions met in an out-patient department are similar to those that form a considerable part of a practitioner's work.

In this year a course of fifteen lectures on the general principles of surgery will be given.

Fourth Year

In the Fourth Year, students attend surgical clinics in the amphitheatre of the hospitals two days in the week. They also attend in the wards of the hospitals in groups. Cases are assigned to them and they are required to examine them carefully, record the conditions found, arrive at a tentative diagnosis, and outline the treatment indicated. A teacher of mature experience and of professorial rank teaches them in the wards and instructs them in groups. During this year a series of thirty didactic lectures will be given upon the main types of disease and injury.

Fifth Year

The Fifth is the purely hospital year. There are two amphitheatre clinics in the hospitals, weekly. Group teaching is carried out in the wards. The patients are assigned to the students in rotation and they are expected to make very careful and thorough examinations in the wards, do their own laboratory work under the direction of a supervisor and to study the natural history, prognosis and methods of treatment.

They are to be present when their cases are operated on and to prepare themselves with all the care and detail of the operating surgeon. Opportunities of assisting are afforded, and also of seeing closely the conditions that are found.

Students in this year are required to do a good deal of collateral reading and to make themselves familiar with the anatomy, pathology and physiology of the injury or disease and of the region implicated.

Every encouragement is given to originality and independence of opinion.

Didactic lectures and laboratory demonstrations on anæsthesia are given in the College by the Department of Pharmacology and Therapeutics, and practical instruction in the administration of anæsthetics is given in the hospital to students of the Third and Fourth Years.

Text-books:—*Operative Surgery*—Binnie and Burghard; *Surgery*—A System of Surgery, C. C. Choyce; Rose and Carless; Thomson and Miles; Keen's Surgery; Russell Howard; Ashurst; Da Costa; *Emergency, Surgery*—Sluss; *Surgical Anatomy*—Treves and Keith; Davis' Applied Anatomy; Gask and Williams' Text-book of Surgery; Fitzwilliam's Pocket Surgery; The Treatment of Fracture, Scudder.

UROLOGY

CLINICAL PROFESSORS:— D. W. MACKENZIE. F. S. PATCH.

LECTURER:—R. E. POWELL.

DEMONSTRATOR:—M. SENG.

Students attend this department in the Royal Victoria and Montreal General Hospitals for instruction in the methods of diagnosis and treatment of surgical diseases of the urinary and male genital organs and syphilis.

During the Fifth Year they are given a course of fifteen lectures on the elements of the subject in the University, followed by fifteen clinics demonstrating typical cases in the Hospitals.

During the Final Year they receive clinical instruction on groups of cases presented for differential diagnosis, and students are required to discuss these cases and outline the treatment indicated.

Clinical clerkships are assigned in the urological wards, where cases are followed to a conclusion. Opportunity is here afforded for the complete study of a considerable number of cases.

Text-Book:—Keyes' Urology.

Collateral Reading:—Thompson Walker's Genito-Urinary Surgery; White and Martin's Genito-Urinary Surgery and Venereal Diseases.

ORTHOPÆDIC SURGERY

CLINICAL PROFESSORS:— A. MACKENZIE FORBES. W. G. TURNER.

LECTURER:—J. A. NUTTER.

DEMONSTRATOR:—W. J. PATTERSON.

Instruction in diseases and injuries of the bones, joints, muscles and the surgery of deformities, both congenital and acquired, is given to the students of the Fifth Year in groups of ten to twelve in the Children's Memorial Hospital, the Royal Victoria and the Montreal General Hospitals.

Each student attends clinics in Orthopædic Surgery at each of these hospitals for four or five consecutive weeks.

The demonstrations given are essentially practical. Every student is expected to write histories of, to make the diagnoses in, and to prescribe the treatment for a definite number of patients.

In the Montreal General and the Royal Victoria Hospitals there are large clinics for both adults and children suffering from orthopædic affections.

In the Children's Memorial Hospital there is a great wealth of clinical material consisting of children who are suffering from the surgical diseases of infancy and childhood.

Text-books:—Whitman's Orthopedic Surgery; Fraser on Tuberculosis of Bones and Joints of Children; Tubby and Jones on Surgery of Paralysis; Jones, Orthopedic Surgery of Injuries; Jones and Lovett, Orthopedic Surgery.

OBSTETRICS AND GYNAECOLOGY

PROFESSOR:—W. W. CHIPMAN.

ASSISTANT PROFESSOR:—H. M. LITTLE.

LECTURERS:—W. A. G. BAULD. H. C. BURGESS. J. W. DUNCAN. J. R. FRASER. J. R. GOODALL. DAVID PATRICK.

DEMONSTRATORS:—G. C. MELHADO. IVAN PATRICK.

Fourth Year

1. A course of about fifty lectures on the fundamental principles of the subject, illustrated by diagrams, models, and fresh and preserved specimens.

Professor Chipman.

OBSTETRICS

Fifth Year

2. Bedside instruction in the Montreal Maternity, including external palpation, pelvimetry, the management and after-treatment of cases.

3. A complete course on obstetric operations with the Tarnier-Budin phantom.

4. A course of individual clinical instruction at the Montreal Maternity Hospital including an interne period.

5. Clinical demonstrations and ward-work on the diseases of the new-born.

Text-books:—Whitridge Williams; Webster; Evans; De Lee; Berry Hart.

GYNÆCOLOGY

6. Theatre Clinics and bed-side instruction in the Royal Victoria and Montreal General Hospitals.

Professor Chipman and Staff.

7. Practical instruction to small groups of students in the out-patient departments of the Royal Victoria and Montreal General Hospitals.

Text-books:—Hart and Barbour; Blair Bell; Dudley Hurst; Gilliam; Anspach.

OPHTHALMOLOGY

PROFESSOR:—W. GORDON M. BYERS.

CLINICAL PROFESSOR:—G. H. MATHEWSON.

LECTURERS:— S. H. McKEE. F. T. TOOKE.

DEMONSTRATORS:— A. G. McAULEY. J. A. MacMILLAN.

ASSISTANT DEMONSTRATORS:— A. BRAMLEY-MOORE. J. ROSENBAUM.

The undergraduate course in ophthalmology is designed to meet the needs of a well-trained general practitioner.

Fourth Year

In the Fourth Year, the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum of outlay for equipment. Instruction in the use of the ophthalmoscope, and familiarization with the appearances of the normal fundus of the eye, are a main feature of this preliminary teaching.

Fifth Year

In the Fifth Year, apart from a course of twelve lectures, variously illustrated and covering the place of ophthalmology in medicine, the relation of the eye to other organs, and the general principles of the subject, the entire available time is spent in the ophthalmic wards and clinics of the hospitals. The work here is restricted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons on ophthalmic nursing and first aid.

Text-books:—Parsons; May; De Schweinitz; Fuchs.

OTO-LARYNGOLOGY

PROFESSOR:—H. S. BIRKETT.

LECTURER:—H. D. HAMILTON.

DEMONSTRATORS:— J. T. ROGERS. HAMILTON WHITE.

ASSISTANT DEMONSTRATORS:— D. H. BALLON. G. E. HODGE.

The course of instruction in Oto-Laryngology is carried on in the recently constructed wards and out-patient departments of both the Montreal General and the Royal Victoria Hospital, where owing to the large clinics the students are afforded ample opportunity of receiving practical instruction in these subjects. Between these two hospitals there are about fifty beds set apart for this specialty.

The courses are conducted in small classes, so that personal supervision, which is so essential in this specialty, is accorded to each student.

The clinics are held twice a week in each hospital and continue throughout the session.

The courses are based altogether upon the needs of such knowledge as a general practitioner should have regarding these special organs.

Fourth Year

In the Fourth Year the students receive instruction in:—(a) The normal anatomy of the ear, nose and throat, as exemplified in moist dissections, dried specimens, models, stereoscopic plates and radiograms

of normal conditions of the accessory sinuses of the nose and mastoid process; (b) the method of using the various instruments for examining the ear, nose and throat; (c) the usual tests for hearing; (d) the recognition of normal conditions of these special organs, as exemplified by clinical material.

Fifth Year

In the Fifth Year the students have presented to them only pathological conditions affecting these organs. As many cases as is possible are brought forward to illustrate the various diseases, and the clinical material thus presented is dealt with by a clinical lecture, and is further enlarged by gross pathological specimens, microscopical material and lantern slides.

From eight to ten didactic lectures are given only upon the more common conditions met with in these organs in general practice.

At the end of the course in the Fifth Year an examination is held, which is written and clinical.

Two positions as Resident House-Surgeons in the Department of Oto-Laryngology in both hospitals are open to the members of the graduating class.

Text-books:—Chevalier Jackson and Coates; Albert Gray; St. Clair Thomson; A. Logan Turner; H. Tilley; Kerrison; Phillips; Gleason.

GRADUATE INSTRUCTION

1. Any graduate who so desires may attend any of the regular courses given to students of the final year. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics, at any period during the year, provided the graduate is willing to assign himself for serious work to one service. Application for this privilege should be made to the Dean or to the head of the Department in which the graduate desires to occupy himself.

Vide under heading of "Departments of Physiology, Pathology, Anatomy, Hygiene, etc."

3. Post-graduate Courses: Special short courses lasting for four weeks during the spring, will be arranged. (Special Announcement later.)

Instruction will include the following subjects:—

Medicine:—

(1) General; (2) Disease of the Circulatory System.
(3) Metabolism; (4) Neurology.
(5) Tuberculosis.
(6) Pediatrics and Infectious Diseases.
(7) Clinical Laboratory Methods.
(8) Clinical Therapeutics.

Surgery:—

(1) General; (2) Orthopædic.
(3) Genito-urinary Diseases.

Gynæcology and Obstetrics.

Specialties:—

(1) Ophthalmology; (2) Oto-Laryngology.
(3) Radiology.
(4) Applied Anatomy.

4. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

Every M.O.H. should possess this qualification.

Candidates must have graduated in Medicine, or must have had other qualifications to practise at least twelve months before they are allowed to receive the diploma.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of Hygiene, Preventive Medicine and Sanitation.

(b) Bacteriology—a full practical course in general bacteriology, with special application to Public Health.

(c) (1) *Sanitary Chemistry.* Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, articles of dress, house decorations, etc.; chemical investigations connected with trades and occupations; (2) *Physics.* General principles only in their application to Hygiene.

(d) Practical Out-door Sanitary Work. An extended course under a M.O.H., affording facilities for instruction in sanitation relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc., etc.

(e) Sanitary legislation and administration. Statutes and by-laws relating to Public Health and the powers of sanitary authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics; calculations and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of infectious diseases, of child hygiene and psychopathic diseases, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on sanitary conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course, including the diploma, is $100.00.

5. Course for Medical Inspectors of Schools: The course is designed to acquaint the Medical Officer of Health with the conditions relating to the school child. The normal child is studied in all phases, his physical and mental fitness to undergo school training, his progress and development in the school. The hygienic conditions and surroundings are studied and all such features as may retard development.

Special instruction, therefore, is given to enable the medical officers to obtain not only a knowledge of the hygiene of the school child but also to detect the earliest signs of defect or disease.

The following subjects are dealt with as specially applied to this object in view:—

General medicine relating to school life—feeding, nutrition, mental deficiencies, communicable diseases, dermatology, etc.; orthopædics in its relation to the school child; oto-laryngology and ophthalmology; regional anatomy; hygiene and sanitation; administration and the relation of the school medical officer to Public Health authorities.

Visits are paid to various schools for personal observation of the technique of these inspections.

6. Graduates desiring special instruction in Industrial Hygiene or School Hygiene may apply to the Head of the Department of Hygiene.

BUILDINGS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and geographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Hospital.
Alexandra Hospital for Infectious Diseases.
Protestant Hospital for the Insane.
Royal Edward Institute for Tuberculosis.

The Maternity Hospital, from the teaching standpoint, is under the control of the University.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 38,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Histology, Hygiene, Pharmacy, and the magnificent Museums of Pathology and Anatomy. The Faculty of Dentistry is also in this Building.

The new Library rooms for the reception of the Osler Library are now complete and await its arrival.

The Department of Anatomy, with its commodious laboratories, its Dissecting Room with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department.

The Department of Histology and Embryology, too, has excellent facilities, with laboratory space for 120 students, and smaller laboratories for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this edifice was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184′ x 60′—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these Departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

HOSPITALS

The Medical School is closely affiliated with a group of active general and special hospitals, the staffs of which are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 1,073 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 380 public beds. During 1924, it cared for 9,070 cases, while in its Outdoor Department, 56,309 cases were treated. Many new additions have been made to the Hospital. A modern University Medical Clinic has just been established, and a new Pavilion to accommodate 200 beds for obstetrical and gynæcological cases is in course of construction.

There were 265 post-mortems during 1924.

The number of resident physicians is 34.

The Montreal General Hospital is a general hospital for the treatment of acute diseases and contains 300 public beds. In 1924 there were 6,125 admissions to its wards. The large, reconstructed out-patient department, probably the finest in this country, treated last year 167,000 patients. Many modern additions to the original buildings have been made. During the last year, a large biochemical laboratory has been finished and completely equipped.

There were 257 post-mortems during the year.

The number of resident physicians is 35.

The Dental Clinic of the University, completed in 1921, has 50 dental chairs, and a hospital dental clinic unequalled anywhere.

The Western Division of the Montreal General Hospital—The Western General Hospital. A hospital for the treatment of acute diseases, with 62 public beds. It is hoped that this hospital will soon afford additional opportunities for teaching. The post-mortem and surgical material is now being used for teaching. The number of resident physicians is 7.

The Montreal Maternity Hospital, with 31 teaching beds, admitted last year, 1,517 patients, with a total of 1,797 confinements. The organized out-patient service is also of the greatest benefit to the undergraduate students.

There are 5 resident physicians.

The Children's Memorial Hospital has 130 public beds, and, in 1924, admitted 1,329 patients. The attendance at its out-door department totalled 13,072 patients. This hospital, while primarily for orthopædic cases, now admits all varieties of cases, and enables the student to get a broad conception of pediatrics. Of special interest are the Departments of Remedial Gymnastics, the Open-air Pavilion, and the well-equipped Out-patient service.

A summer course, lasting four weeks, has for several years enabled students and practitioners to become acquainted with many of the most important phases of modern pediatrics.

The Montreal Foundling and Baby Hospital, adjacent to the Maternity Hospital, affords a large amount of clinical material for students, and gives special facilities for the consideration of infant feeding. There are 75 beds. In connection with this institution, there is a largely-attended Baby Welfare Clinic for mothers seeking advice as to the care of the normal child, and of themselves.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 170 beds, and, in 1924, 1,512 patients were admitted to the hospital. There were 24 autopsies.

The Protestant Hospital for the Insane at Verdun has 630 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of Psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute—a dispensary for Tuberculosis—offers adequate material for teaching students, in groups, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—C. F. WYLDE.

ASSISTANT LIBRARIAN:—MISS JEAN CAMERON.

ASSISTANTS:—MISS PAULINE M. CARRIÈRE.
MISS C. DAVIDSON, B.A.
MISS PATRICIA BURNS.
MISS EDITH GORDON.

"The history of the Library is the history of the Faculty."
Professor Hall.

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating 75 readers. On this floor also are the journal room and private offices. The second floor contains the stack room, the book stacks at present containing about 38,000 volumes and having a total capacity of sixty thousand volumes.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible and thus to increase the value of the reference department of the Library. There is also a great duplicate collection of journals from which distribution can be made on the exchange basis.

There is no printed catalogue, but there has been compiled a comprehensive list of continuations with their inclusive volumes, and this list will be available for out-of-town borrowers.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9.00 a.m. to 6.00 p.m., except Saturday, when it closes at 5.00 p.m. After June 1st it is open from 9.00 a.m. to 5 p.m., Saturdays, 9.00 a.m. to 1.00 p.m. During July and August it is closed on Saturday.

MEDICAL SOCIETIES

1. THE McGILL MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councilmen (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the senior year.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

Department of Pharmacy

OFFICERS OF ADMINISTRATION

Sir Arthur William Currie, G.C.M.G., K.C.B., LL.D., Principal and Vice-Chancellor.

C. F. Martin, B.A., M.D., Dean of the Faculty of Medicine.

Alex. B. J. Moore, Ph.G., Head of the Department of Pharmacy.

A. P. S. Glassco, B.Sc., Secretary and Bursar.

J. A. Nicholson, M.A., LL.D., Registrar.

J. C. Simpson, B.Sc., Secretary of the Faculty of Medicine.

OFFICERS OF INSTRUCTION

Alex. B. J. Moore, Ph.G., Professor of Materia Medica and Pharmacy, Head of the Department, 12 Winchester Avenue, Westmount.

R. L. Stehle, M.A., Ph.D.
Professor of Pharmacology, Biological Building.

R. F. Ruttan, B.A. (Toronto), M.D., D.Sc. (Toronto), F.R.S.C.
Professor of Chemistry, 660 Sherbrooke Street West.

A. S. Eve, C.B.E., M.A. (Cantab.), D.Sc., F.R.S.C., F.R.S., Professor of Physics, 490 Mountain Avenue, Westmount.

Francis Ernest Lloyd, M.A. (Princeton), F.R.S.C., Professor of Botany, Biological Building.

DEPARTMENT OF PHARMACY

GENERAL ANNOUNCEMENT

The Montreal College of Pharmacy, organized as a teaching body in 1867, for fifty years successfully carried on the work of instructing pharmaceutical students, and for many years it was the only institution in the Province of Quebec offering such instruction.

During the summer of 1916 this College was taken over by McGill University, and a Department of Pharmacy was established in connection with the Faculty of Medicine.

Special instruction on all subjects required by the future Pharmaceutical Chemist is given in the class rooms and laboratories of the University, the students of Pharmacy having access to its splendid equipment.

The work of the Department embraces courses in Botany, Physics, Chemistry and Practical Chemistry, Theoretical and Practical Pharmacy, Dispensing, Materia Medica and Toxicology.

The eighth session of this Department will be opened on Monday, September 21st, 1925.

Students registering this session will take notice that the course in Pharmacy now covers a period of three years, the work being distributed as follows:—

First Year

Physics, Junior Chemistry and Junior Practical Pharmacy.

Second Year

Materia Medica, Junior Theoretical Pharmacy, Senior Chemistry and Botany.

Third Year

Materia Medica and Therapeutics, Analytical Chemistry and Senior Practical Pharmacy.

ENTRANCE REQUIREMENTS

For entrance into the Department of Pharmacy the University accepts the preliminary examination of the Pharmaceutical Association of the Province of Quebec in default of the B.A. degree or Arts matriculation (B.A. Course), particulars of which will be found in the General Announcement.

The regulations regarding the Preliminary Examination of the Pharmaceutical Association of the Province of Quebec are as follows:

A diploma of Bachelor of Arts, Science or Letters from a Canadian or British University, is accepted in lieu of the preliminary examination. In this case the candidate must register his application with the Secretary of the Association, and produce his diploma, together with personal proof of his identity.

The candidate for the study of Pharmacy must give satisfactory certificates of good morals, as well as identification and a recent photograph duly attested. He must be a British subject of the male sex and not less than seventeen years of age. He is also required to pay the fee in advance.

The examination which the candidate is required to undergo embraces the following subjects:

GROUP I. LETTERS:—

1. Mother tongue (English or French), dictation, grammar, syntax, analysis, composition. English candidates will also be required to have a critical knowledge of Shakespeare's "Macbeth".

LITERATURE:—The study of the principles of *Belles Lettres* and *Rhetoric;* notions of the different classes of Literature; a knowledge of the principal authors who have especially exemplified these different classes in Greek, Roman, French, and English Literature.

2. Auxiliary language (English or French), translation in both languages. Books recommended "Telemaque" and "The Vicar of Wakefield" by Oliver Goldsmith. Grammar and syntax (French for English candidates and English for French candidates).

3. Latin—Virgil, book VI. Cicero "Pro Milone." A *sound* knowledge of grammar, and syntax as exemplified in the texts chosen.

4. History—French, English, and United States.

5. Geography—Notions on Universal geography—A special knowledge of the geography of France, England and North America.

GROUP II.—SCIENCES:—

1. Arithmetic:

(a) Ordinary and decimal fractions, single and compound proportion, interest, percentage and square root; problems.

(b) Units of measure in use in Canada—"Linear, surface and volume"; metric system.

(c) Mensuration:—Computation of areas and volumes of simple geometrical figures; problems.

2. Algebra:—Fractions and equations of the first degree of one or more unknown.

   Geometry:—The first four books of Euclid; proofs.

3. Physics and Chemistry:

   Physics: Elementary notion on mechanics, weight, hydrostatics, pneumatics, capillarity, osmosis, optics and heat.

   Chemistry:—General knowledge, definitions, the elements, principal laws of chemical reactions, properties of the principal metalloids and their compounds.

For admission the candidate must obtain at least the following percentage in the different subjects:—

Mother tongue and arithmetic, 60 per cent.; other subjects, 50 per cent.; and on the total, 60 per cent.

The candidate who fails in one subject only, of the above groups, either of letters or of sciences, may present himself for examination in that subject at any one of the four subsequent examinations.

The candidate may try for science or letters at different examinations, separately, or for both of these two groups at the one examination. Clear and legible writing is required.

Fee, $20.00, or $10.00 for each group.

The preliminary examinations for admission are held in Montreal and Quebec, the first Thursday of January and July of each year.

The registration of candidates for the examinations must be made at the office of the Registrar of the Association at least ten days before the date set for the examinations. A blank register form can be obtained from the Registrar, and must be signed by the candidate.

The major and minor examinations are held at Montreal in April, and at Quebec in the Autumn.

REGISTRATION

Students in Pharmacy are required to register at the office of the University Registrar between September 14th and September 19th, both days inclusive. Students entering on or after Monday, September 21st will not be allowed to register until they have paid a late registration fee of $5.00 during the first week of the session, and of $10.00 during the second. This will not be refunded except for satisfactory reasons and by special authorization of the Faculty.

EXAMINATIONS

Examinations in each subject are held at the close of the course. Students who pass in all subjects of the curriculum, as required by the Pharmaceutical Association of the Province of Quebec, will receive the University Diploma of Pharmacy. A minimum of 50 per cent. in each subject is required to pass, and 75 per cent. for honors. The examination requirements of the Pharmaceutical Association of the Province of Quebec for license to practise Pharmacy in the Province are stated on page —.

FEES

All students must register with the University Registrar before paying their fees.

For the session 1925-26 the fees for separate courses will be as follows:—

Registration fee	$ 5.00
Fee for Athletics and Athletic Grounds	3.00
Course in Junior Chemistry and Physics	50.00
Course in Senior Chemistry	50.00
Course in Junior Materia Medica and Pharmacy	50.00
Course in Senior Materia Medica and Pharmacy	50.00
Course in Practical Pharmacy (Junior)	50.00
Course in Practical Pharmacy (Senior)	50.00
Course in Analytical Chemistry	50.00
Course in Botany	25.00
Diploma Fee	15.00
Fee for Supplemental Examination, each subject	5.00

Certain fees are payable to the Pharmaceutical Association of the Province of Quebec for registration, examinations, and for the licentiate in pharmacy. (See page 81.)

For regulations regarding payment of fees, see page 27.

PRIZES

For the session 1925-26 a medal is offered as a prize to the graduate who obtains the highest total percentage over 80 per cent.

TEXT BOOKS RECOMMENDED

PHARMACY AND PRESCRIPTIONS:—Remington's Pharmacy, Bennett's Medical and Pharmaceutical Latin, Scoville's Art of Compounding, Art of Dispensing, Lucas' Practical Pharmacy.

CHEMISTRY:—Junior and Senior Chemistry.

Reference Book:—Sadtler and Coblentz, Pharmaceutical and Medical Chemistry.

PHYSICS:—Balfour Stewart's Elementary Physics, Ganot's Physics, Peck's Ganot's Physics.

BOTANY:—Gray-Robinson Manual, Kraemer's Applied and Economic Botany.

MATERIA MEDICA:—British Pharmacopœia, United States Dispensatory, Squire's Companion to the British Pharmacopœia, Royal's Materia Medica, Sayre's Organic Materia Medica and Pharmacognosy, Heebner's Synopsis.

COURSES OF LECTURES

CHEMISTRY

Two courses will be required for the Diploma in Pharmacy, namely the junior and senior.

Junior Chemistry.—This includes elementary physical science and a university course on the general principles of the science of chemistry. A course in elementary physics will be taken with the students in the School of Commerce and will consist of a series of twenty-five lectures on the principles of physics and their application. The course is non-technical and is intended as an introduction and supplementary to the course in general chemistry. The course in general chemistry will consist of three lectures per week, given for the students in Arts and Medicine, on Monday, Tuesday and Thursday, at two o'clock. In addition to these lectures, there will be two laboratory periods each week of two hours, immediately following the lectures on Monday and Thursday. This course in general chemistry is intended to give a thorough grounding in the fundamental principles governing chemical action and the formation of chemical compounds, organic as well as inorganic.

Senior Chemistry.—The senior course in chemistry will be a short course of laboratory work on the identification and separation of organic and inorganic compounds of special importance in Pharmacy, and will include elementary toxicology, the assay of crude drugs, volumetric analysis, analysis of urine, the use of spectroscope, etc.

Both courses of chemistry will be given by Dr. Ruttan and members of the staff of the Department of Chemistry.

PRACTICAL PHARMACY

Junior.—This course will embrace (1) the preparation of a number of typical examples drawn from the official dilute acids, waters, liquors, plasters, extracts, fluid extracts, mixtures, liniments, oleates, syrups, ointments, etc. (2) General principles to be observed simple and compound powders, mixtures, emulsions, their nature and preparation; pills and pill coating, gargles, lotions, liniments, suppositories, plasters, ointments, cachets, capsules, tablets and tablet triturates, lozenges and pastilles, lamellae, incompatibility, Pharmacy law.

Senior.—Practical Pharmacy in all its branches will be thoroughly dealt with. The course will include the following subjects:—Clarification, crystallization, decantation, dialysis, distillation, drug grinding, extraction, filtration, heat, metrology, percolation, precipitation, solution, specific gravity, specific volume and vaporization.

In conjunction with the foregoing, the class will practise the modus operandi for the manufacture of different preparations of the B. P., and others, including chemical solutions, elixirs, spirits, plasters, emulsions, ointments, granular effervescent salts, crystal and scale salts of iron, resins, oleo resins, etc.

Particular attention will be given to pharmaceutical assaying, such as opium, ipecac, belladonna, cinchona, nux vomica.

MATERIA MEDICA AND THEORETICAL PHARMACY

Junior.—This will include instruction in pharmaceutical jurisprudence, poison schedules, weights and measures; classification of the official organic drugs, including leaves, flowers, fruits, seeds, herbs, barks, gums, resins, etc., with the geographical source, parts used, and official preparation of each; posology; theoretical pharmacy (embracing the theories of manufacture of the simple preparations of the B. P., such as medicated waters, syrups, tinctures, compounds, powders, pill masses, etc.); dispensing.

Senior.—Complete classification of all official organic and inorganic drugs, giving, in the former, the mode of collection and preservation, geographical and botanical sources and parts used—and in both instances the constituents and impurities, also the medicinal properties of each, with their preparations; animal drugs, such as pepsin, pancreatin, thyroids, etc., will be dealt with in a similar manner; posology; pharmacognosy; toxicology; theoretical pharmacy (embracing the theories of manufacture of the more complex galenical official preparations); adulterants, impurities and the methods of detection.

BOTANY

General Botany.—General external morphology of the higher plants (higher cryptogams and phanerogams); anatomy and histology, the latter treated with more especial reference to methods of drug identification by means of the microscope.

General Physiology.—Elementary plant physiology, treated briefly.

Special Botany.—Structure of those plants below the pteridophytes of use or interest to the pharmacist, treated briefly; special morphology of pteridophytes and phanerogams, and their classification. Attention will more especially be given to those families (about 30) of plants chiefly represented in materia medica.

EXAMINATIONS FOR ADMISSION TO THE PRACTICE OF PHARMACY

(1) EXAMINATION TO OBTAIN THE CERTIFICATE FOR ASSISTANT PHARMACIST

To become an Assistant in Pharmacy the candidate must furnish proofs of having registered three years as a student in Pharmacy, also that he has served at least three years under a doctor or druggist duly registered; he must pay the fee required, and pass an examination on the medico-pharmacal sciences, Physics, Chemistry and Pharmacy. (Art. 4997, Law of Pharmacy.)

The candidate must be able to read prescriptions in script, translate them into English and French, write fully and legibly all the abbreviated words, point out the doses which are unusual, prepare, label and address properly the prescription, under the scrutiny of the examiner.

The candidate must recognize the Galenic preparations of the B. P., such as extracts, tinctures, powders, etc.; describe the composition of the compound preparations, giving the proportions of their active ingredients, the mode of preparation, and the doses. He must be able to describe properly in the presence of the examiner the different official Galenic preparations.

He must recognize samples of roots, barks, leaves, fruits, etc., employed in medicine, and name the official preparations into which they are incorporated; have a knowledge of the laws of physics and chemical combinations, of the nature and properties of the elements and their compounds, and recognize the acids, oxides, salts and other chemical bodies, described in the B. P., and also give their doses.

(2) FINAL EXAMINATION FOR LICENTIATE IN PHARMACY

The Final Examination to be passed by the candidate includes all the subjects required for the Assistant in Pharmacy Examinations, but a more thorough knowledge of these sciences is required, also practical analytical Chemistry and Botany.

The candidate will have to describe the methods of obtaining acids, oxides, salts and other chemical compounds described in the B. P., explain the decompositions which take place when they are made, by means of written equations and diagrams, and also possess a good knowledge of the new synthetic products.

He must recognize the more important medicinal plants; know the therapeutics and posology of B. P. preparations, also the non-official plants which are used commonly, know the physiology and anatomy of plants, the shape, structure and characteristics of the roots, barks, leaves, flowers, fruits, etc.; their physiological functions and their natural order.

He will be required to know the best antidotes for urgent cases of poisoning by the ordinary toxics, and must pass in a satisfactory manner the test on practical pharmacy, analytical chemistry, volumetric, and urine analysis.

He must also show that he is registered as an Assistant Pharmacist, and give proofs of having duly served four years under a doctor or druggist duly registered; that he has followed for two years the Medico-Pharmacal classes, two years of Physics and Chemistry classes, one year's course in Botany and other natural sciences, according to the programme established in institutions incorporated and authorized by the Council of the Association; pass the examinations on the above subjects, and pay the fee. (Art. 4997, Law of Pharmacy.)

However, the student in Pharmacy or the certified clerk may, if he so desires, give up a whole twelve months exclusively to the study of Pharmacy. (Art. 4997.)

The Board of the Pharmaceutical Association will accept only one course in any subject in the same year; classes attended during the same scholastic year in different schools will count for one course. Private or academy classes will not be accepted.

At the Junior and Final Examinations, students must obtain 40 per cent. of points on each subject, at the written examinaions, and 50 per cent. on the total number of points, to be admitted to the oral examinations; but the student who passes satisfactorily the written examination is not obliged to begin it over again if he fails in the subsequent oral examination. At the oral examination, they must obtain at least 40 per cent. on each subject, and finally to obtain their license, they must obtain 60 per cent. of the total examinations, oral and written united. Any candidate receiving less than 40 per cent. on any one subject in the written or oral examinations, may apply at the following examination to be examined on this one subject. A candidate who fails to obtain the necessary 40 per cent. in two or more subjects must take all subjects of the examination over again. Any candidate who does not apply at the next examination following to take the subject in which he has failed, or who tries and fails again, will have to take the whole examination, either written or oral, as the case may be.

No certificate of examination will be accepted from any Pharmaceutical Association or College, unless it has been granted after a service of four years in a drug store and following a course of studies which in the opinion of the Board of the Association is equivalent to that required by the articles 4997-4998 of the Law of Pharmacy of the Province of Quebec.

Candidates who apply for the final examination, and who are not twenty-one years old, will be admitted to the examination, but if they succeed their license will be retained until they have attained the age of twenty-one.

FEES FOR THE EXAMINATIONS

The fees to be paid by candidates, besides the registration fee, before they are admitted to the examination, are as follows:—Preliminary examination, $20.00, or $10.00 for each group; Assistant in Pharmacy, $15.00, and Pharmacist, $25.00. These fees must be paid in advance to the Registrar of the Association.

Any person having registered his name for an examination and not attending will lose the fee paid.

In addition to the above, a sum of $40.00 is required for the Diploma of Assistant Pharmacist, and $75.00 for the diploma of Licentiate in Pharmacy.

SUMMARY OF STUDENTS IN ATTENDANCE AT THE UNIVERSITY

Session 1924-25

Arts	872
School of Commerce	199
Applied Science	415
Medicine	491
Department of Pharmacy	58
Dentistry	114
Law	66
Agriculture	55
Music	100
School for Social Workers	26
School of Physical Education	51
School of Household Science	90
School for Graduate Nurses	25
Faculty of Graduate Studies and Research	134
	2,696
Less registered in more than one Faculty	16
	2,680

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